

20010219.qrp v02_n103.qrl.20010219

Date: Mon, 19 Feb 2001 19:03:13 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2103

QRP-L Digest 2103

Topics covered in this issue include:

- 1) [92025] Re: Newbie PSK-31 Question
by "Tom Azlin" <tom@nilza.org>
- 2) [92026] Re: Fiberglass Enclosures?
by "Steven Weber" <kd1jv@moose.ncia.net>
- 3) [92027] Re: HB: Antenna Switch
by Monty N5FC <n5fc@io.com>
- 4) [92028] ARRL DX Contest
by Larry S Cahoon <wd3p@juno.com>
- 5) [92029] 10m attic beam -- ARRL DX results
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 6) [92030] Re: 10m attic beam -- ARRL DX results
by "George, W5YR" <w5yr@att.net>
- 7) [92031] RFI Questions
by Ken Brown <n4so@juno.com>
- 8) [92032] Re: Opp'ing on EPS?
by bob evinger <wd9eka@arrl.net>
- 9) [92033] Re: Fiberglass Enclosures?
by "Mark Fancher" <mmfancher@earthlink.net>
- 10) [92034] ARRL DX milliwatt report KJ5TF&NQ5RP
by Jim Hale <kj5tf@yahoo.com>
- 11) [92035] Wisconsin Update...
by "Trevor Jacobs" <fxtech@earthlink.net>
- 12) [92036] FOX: Final log NOUR hunt#35
by Jim NOUR <n0ur@yahoo.com>
- 13) [92037] Fox Cub Monday Feb 19(Tues 20 z)
by Fred Lesnick <flesnick@tbaytel.net>
- 14) [92038] Re: FT-817 Measurements as well as Cheap and Easy Yagis
by rich a <rckchp@home.com>
- 15) [92039] Schematic for MFJ-9020
by "Dennis Berry" <dennisberry@worldnet.att.net>
- 16) [92040] ARRL DX CW - WQ8RP
by Hank Kohl K8DD <k8dd@arrl.net>
- 17) [92041] Fiber glass enclosures vacuum bagging.
by "Gordon Cougar" <gcouger@couger.com>
- 18) [92042] Items for sale
by Karl Heimbach <kheimbach@earthlink.net>
- 19) [92043] Re: RFI Questions

- by Pete Burbank <plburbank@kih.net>
- 20) [92044] QDOPE Followup
by "Marshall Emm" <mgemm@mtechnologies.com>
- 21) [92045] Re: Wisconsin Update...
by "Glenn Butzlaff" <gbutzlaff@voyager.net>
- 22) [92046] ARRL DX: 40m Sat. night -- newbies note!
by "Adrian Weiss" <aweiss@usd.edu>
- 23) [92047] Contest: ARRL DX Contest
by "John Burnley" <burnleyia@home.com>
- 24) [92048] Rf Choke
by "Tntjoe" <tntjoe@qwest.net>
- 25) [92049] AL7FS in San Francisco area for 9 days starting Feb 20.
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 26) [92050] Arrl DX Test
by "Pastor-KC1DI" <elbc@pivot.net>
- 27) [92051] FT-817
by "Steve Zumbrun" <zumbruns@pionet.net>
- 28) [92052] Fox: Final log
by Dan Wolfe <n4roa@mounet.com>
- 29) [92053] fs
by paul taylor <ptay1@bestweb.net>
- 30) [92054] Elecraft K1
by Ken Brown <n4so@juno.com>
- 31) [92055] FOX: Final log NOUR hunt#35...TAKE 2
by Jim NOUR <n0ur@yahoo.com>
- 32) [92056] OT: Any QRP'ers in the Long Beach, CA area?
by "John Burnley" <burnleyia@home.com>
- 33) [92057] Manual for Argonaut II?
by "John L. Sielke" <w2agn@pobox.com>
- 34) [92058] Fw: [qrpp] Contest results !!!!
by "George Osier" <gosier@twcnny.rr.com>
- 35) [92059] Re: QRP-L digest 2102
by John G Weber <jgweber2@juno.com>
- 36) [92060] Re: Full Wave Loop
by Bill Coleman <aa4lr@arrl.net>
- 37) [92061] Ran into a problem D68C
by "George Osier" <gosier@twcnny.rr.com>
- 38) [92062] NJQRP meeting Sat Feb 24
by "Everhart, Joseph @ CSE" <jeverhar@mail.cse.1-3com.com>
- 39) [92063] RE: Newbie PSK-31 Question
by John R Kirby <n3aaz-qrp@juno.com>
- 40) [92064] Re: Full Wave Loop
by "John L. Sielke" <w2agn@pobox.com>
- 41) [92065] Re: WB9MII Contest Results so far
by Gene Backlin <gbacklin@pros.com>
- 42) [92066] ARRL DX Contest
by Joseph Mikuckis <k3chp@erols.com>
- 43) [92067] Re: Ran into a problem D68C

by Jeff <fantbb@yahoo.com>
44) [92068] ARRL 'test
by "K7FD N7SG" <cqdx@teleport.com>
45) [92069] Trade: MFJ 9406
by "John Pate" <lighthousedx@hotmail.com>
46) [92070] ARRL DX Test
by Jeff <fantbb@yahoo.com>
47) [92071] Fox - N5TW is served tomorrow Purina Pals!
by "Tom Whiteside" <n5tw@iggg-tx.net>
48) [92072] IA QRP-10 Building Contest
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
49) [92073] [Atlanticon] Rooms Almost Gone!!
by "GARY McCaughey" <MAIL4GARY@worldnet.att.net>
50) [92074] Re: ARRL DX Test
by "Brian" <bmurrey@amexol.net>
51) [92075] Re: Beacon Keyer Help???
by "laura halliday" <marsgal42@hotmail.com>
52) [92076] Re: Ran into a problem D68C
by "John J. McDonough" <wb8rcr@arrl.net>
53) [92077] Re: Newbie PSK-31 Question
by "laura halliday" <marsgal42@hotmail.com>
54) [92078] RE: Full Wave Loop
by "Tony Fegan VE3QF" <ve3qf@rac.ca>
55) [92079] Re: Rf Choke
by Stephen M Smith <sigcom@juno.com>
56) [92080] Argonaut 509
by "Jim Crooke" <crooke@prodigy.net>
57) [92081] ZL-W 10,000km Pedestrian-to-Pedestrian SSB 18FEB2001
by "W7TRX" <w7trx@mindspring.com>
58) [92082] Re. Full wave loop length
by Pete Burbank <plburbank@kih.net>
59) [92083] D68C 500 mWatts with the K2
by Larry S Cahoon <wd3p@juno.com>
60) [92084] Re: ARRL DX Test
by Larry S Cahoon <wd3p@juno.com>
61) [92085] Shack Cleaning
by "Francis Callahan" <colcal@srv.net>
62) [92086] Contest ARRL DX Contest summary
by ed.kwik@delphiauto.com
63) [92087] Atlanticon Rooms
by PDouglas12@aol.com
64) [92088] re: [Atlanticon] Rooms Almost Gone!!
by "George Heron N2APB" <n2apb@erols.com>
65) [92089] QRP Dupe
by ed.kwik@delphiauto.com
66) [92090] Re: Ran into a problem D68C
by Paul Brice-Stevens <paul@g0wat.demon.co.uk>
67) [92091] antenna advice?

by Smith Harold <SmithH@tce.com>
68) [92092] Hotel Antenna
by muglesto@ecentral.com
69) [92093] Re: antenna advice?
by "Brian" <bmurrey@amexol.net>
70) [92094] Re: Newbie PSK-31 Question
by "ZOOM" <kandrparker@sympatico.ca>
71) [92095] Re: antenna advice?
by "Rod Cerkoney" <n0rc@hotmail.com>
72) [92096] RadioKit 2/01/01
by "Tim Sprouse" <n4cnu@home.com>
73) [92097] Re: antenna advice?
by Bill Coleman <aa4lr@arrl.net>
74) [92098] D68C logbook
by "George Osier" <gosier@twcnv.rr.com>
75) [92099] Re: antenna advice?
by Steve Yates - AA5TB <aa5tb@arrl.net>
76) [92100] Fox
by Dan Wolfe <n4roa@mounet.com>
77) [92101] Re: antenna advice?
by Pete Burbank <plburbank@kih.net>
78) [92102] Back to Milliwatts
by AL7JK John Raynsford <AL7JK@gci.net>
79) [92103] FS--Harvey Wells Z-Master Tuner
by "Wilford D. Lindsey" <70511.3041@compuserve.com>

Date: Mon, 19 Feb 2001 00:35:35 -0000
From: "Tom Azlin" <tom@nilza.org>
To: <wb2vuo@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [92025] Re: Newbie PSK-31 Question
Message-ID: <009601c09a0b\$dffd88280\$6301a8c0@nilza.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Keith. I do not think so, but some have had problems. I've used VOX on several different radios with no problems though at the moment I am using inputs on the ACC connector on my TS570 that require my to ground the ACC PPT pin thus I had to wire up my serial port. The advantage is I do not have to change any settings so can switch back to voice easy. The interface I am wiring up on my FT817 will use the serial line since I am using the data connector. 73, Tom n4zpt

----- Original Message -----
From: <wb2vuo@juno.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> I will be running a Kenwood TS-140S and would think that the VOX should
> key with the tones just fine. Is there something I am missing in the
> equation? Anybody been down that road and have comments pro or con?

Date: Sun, 18 Feb 2001 20:19:11 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [92026] Re: Fiberglass Enclosures?
Message-ID: <200102190052.f1J0qjG02204@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Here's another idea.

Make the form for your enclosure out of cardboard, then saturate it with resin and maybe some reinforcing cloth. This opens up some real interesting possibilities for custom enclosures...

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Sun, 18 Feb 2001 19:18:44 -0600
From: Monty N5FC <n5fc@io.com>
To: qrp-l@Lehigh.edu
Subject: [92027] Re: HB: Antenna Switch
Message-ID: <4.3.2.7.1.20010218191739.00ad95d0@mail.io.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Bruce!

At 09:12 02/18/2001 -0500, on QRP-L, you wrote:
>The reason that you have not encountered an antenna switch for open wire
>line is that one has never been built! Most folks who use open wire
>line don't often switch it.

Why is that? They only have one antenna?

>Switching it and maintaining impedance
>matching involves careful consideration of line spacing. This means a
>wide variation in line spacing to accommodate different lines. There
>have been a few 300 ohm twinlead switches, but to accommodate real open
>wire line spacing from 1 inch to 6 inches would be a terror!

Well, my antenna switch will accommodate 1 inch spaced lines quite readily (six inches is another matter). And I have to disagree with your statement about line spacing. The impedance bump caused by inserting switches and wiring into the open wire feeders causes negligible losses at HF frequencies. As long as the path is equal and symmetrical in both directions, the effect will be negligible. Even a total mish-mosh of wiring at 10 meters, that amounted to 5 or 6 inches, would only involve 1/100 of a wavelength. Hardly an effect at all.

With regards to my antenna switch, I did the following test: I put my 20-meter loop, fed with ladder line, into my antenna switch, and switched so that it routed to the tuner (also via ladder line). On 10 meters, I adjusted my MFJ-971 tuner for near 1:1 SWR. Then, I removed the antenna switch, and fed the antenna/feedline directly to the antenna tuner. Without any adjustments, the SWR was something less than 1.2:1, which was easily tweaked out (as if I needed to). I consider that a near-worst case, being at 10 meters. However, the effects might be somewhat more pronounced with different antennas, depending on how badly mis-matched the antenna's SWR is to begin with.

I would be more concerned about losses in the switches due to the dielectric (they are not RF-rated switches) and arcing with high voltages in high-impedance situations. I have encountered neither problem, but that's why I recommend no more than 10 Watts PEP with my switch.

Thanks for the feedback!

73,
monty

Monty Northrup, N5FC
Austin, Texas
e-mail: n5fc@io.com
web page (ham radio): <http://www.io.com/~n5fc>
web page (home): <http://www.io.com/~maddog>

Date: Mon, 19 Feb 2001 01:09:24 +0000
From: Larry S Cahoon <wd3p@juno.com>
To: eleccraft@qth.net, qrp-1@Lehigh.EDU, qrpp@egroups.com
Subject: [92028] ARRL DX Contest
Message-ID: <20010219.012028.-419371.0.wd3p@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi All

Again today the contest was a blast. I didn't do as well as Saturday, but then again I worked many of the strong stations then. I worked everything from 80 through 10. 20 Meters was the best band overall from here with my antennas. The setup was the K2 and a set of dipoles at varying heights. Except for six QSOs where the power was set at 5 Watts the entire contest was run at 500 mWatts. I kicked it up on a few just to be sure I got the new country QRP. In the end the only one I needed to kick the power up for was D68C. The other five countries I eventually worked at the 500 mWatt level.

The total take was 189 QSOs with one DUPE. 183 were at the 500 mWatt level. I ended up with 113 mults for a claimed score of 63,732. Looking over the list it looks like I got 50 countries in the contest. I haven't worked out how many are new ones yet. I guess I earned 183 1,000 mile per watt award - I don't think I'll apply for them all.

This was one fun contest. The K2 performed very well for this one. I had the filter set at 300 hz for the contest and never really need to change it.

The strange one in the contest was getting ZF2NT on three bands but not being able to get the second Cayman Islands station at all. They were both running a KW according to the exchange and both seemed just as strong at this end. I'd be curious to compare rigs and antennas between the two. None of the HI stations could pull in my 500 mWatts. I did get AK once but sure missed KL7Y - don't know where he was as I never heard him.

Code speeds were just fine for me. What I did notice, mostly on Sunday, was guys sending CQ real quick after not getting an answer. I barely had time to get out the W in the call before they were sending again. They were hurting themselves as they were going to miss a number of the weaker stations. I gave up a few times. They would have done better with a longer pause, but then again when you seem to be sending CQ forever without an answer I guess you start getting quick on the key - being tired after a day on the rig with little sleep probably doesn't help

either.

73 de Larry.....WD3P in MD
<http://www.qsl.net/wd3p>

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Date: Sun, 18 Feb 2001 20:30:34 -0500

From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>

To: "Qrp-L" <qrp-l@Lehigh.EDU>, "NoVaQRP" <NoVaQRP@topica.com>

Subject: [92029] 10m attic beam -- ARRL DX results

Message-ID: <GCECIJFJPOHMCKACOA0BEEIPCDAA.jakecart@ix.netcom.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I figured I post the results of my most recent attic antenna experiment -- the 10m attic "beam".

Seems to work well -- but from the postings it sounds like everybody's antenna worked well this weekend :-)

I had 98 total 10m QSOs on the attic beam -- picked up 40 countries -- mostly Europe (its "pointed" that way) a few Caribbean and Africa. No Pacific or SA -- had to rely on my backyard wire antennas for those.

10, 15 and 20m were good here in Northern VA -- no luck on 40m. Totaled 202 QSOs in 55 countries. Picked up a couple new countries -- Luxembourg and E. Kiribati (where is that?)

Now to figure out the Cabrillo format -- my logging system is the sophisticated 2-pad and pencil system -- no automatic formatting :-(

73,

Jake - N4UY

Vienna, VA

(Wash DC suburbs)

Date: Sun, 18 Feb 2001 19:38:48 -0600
From: "George, W5YR" <w5yr@att.net>
To: jakecart@ix.netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [92030] Re: 10m attic beam -- ARRL DX results
Message-ID: <3A907928.303210A0@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

How much gain and/or front-to-back ratio do you estimate that your added elements on effectively a 4 ft boom length have provided? What change did you observe in the driving point impedance of the antenna? What sort of measurements have you been able to make and what sort of equipment do you recommend for this type of antenna work? Will you extend your work to the other bands?

Sounds like an interesting experiment. I am interested since I also have an "attic antenna farm." I have four full-size dipoles (80, 40, 30 and 20 meters) in my attic, all fed from a common RG-213 coax, that work very well, especially when the outside antennas have to be disconnected in storms! <:}

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

"John L. \"Jake\" Carter" wrote:

>
> I figured I post the results of my most recent attic antenna experiment --
> the 10m attic "beam".

Date: Sun, 18 Feb 2001 19:20:06 -0600
From: Ken Brown <n4so@juno.com>
To: qrp-l@lehigh.edu
Subject: [92031] RFI Questions
Message-ID: <20010218.193533.13366.23.n4so@juno.com>

Questions concerning RFI can go directly to Ed Hare
at the ARRL... w1rfi@arrl.org
The ARRL Handbook (ed. 1996) chapter for Electromagnetic
Interference (EMI) is Chapter 28, with Electrical Noise info

on page 28.13. A Pi-network filter for electrical noise is shown in the same chapter.

>From "Hare,Ed, W1RFI" <w1rfi@arrl.org>
Thu, 1 Feb 2001 19:31:15 -0500 (EST)

Ken Brown N4SO
Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi
Elecraft K1 #260

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 18 Feb 2001 19:11:56 -0500 (EST)
From: bob evinger <wd9eka@arrl.net>
To: TC Dufresne <tdufres@radiks.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [92032] Re: Opp'ing on EPS?
Message-ID: <Pine.LNX.4.21.0102181904440.1017-100000@wd9eka.evinger.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The quality of the inverter and the current draw will affect your noise level immensely. This won't answer your question but might give you a point of reference. I have a 2.4 kw 12 volt Trace DR series inverter running off of 700 a/h 12 volt battery bank. This thing will provide surge power up to about 6 kwh(not qrp) I dont run the radios off of it but do run the radios off of the same 12 volt batteries. I have noise problems more with my Oak Hills 40 meter explorer when the inverter is under heavy load (washing machine or gas heated clothes dryer). My icom 746 is "mostly" immune to the same level of hash. Consequently I dont use the explorer much at home. In fact am seriously considering selling it and getting a good qrp wattmeter.

I can imagine that the tube rigs would be a real challenge on an inverter. When I first started into solar power back in 80-81 I had a HW-101. It didnt take me long to figure out that with

the measly 15 watt panel, running the HW101 was not going to be feasible and shortly traded in on an Argo 509.

On Sun, 18 Feb 2001, TC Dufresne wrote:

> Howdy. FINALLY got my emergency power supply up (EPS). Was wondering what
> people used to dampen some of the noise I am getting on my Drakes. Got that
> 60 cycle kinda buzz, about a "4" on my S meter. I am using a 600 watt
> inverter, with 4 6 volt batteries wired appropriately. (grin) Not exactly
> something I can put in the back of my truck, but it works! The whole thing
> is appropriately fused, and no real complaints, I guess I expected some
> hum.... Ideas?
> Tom
> KCOGXX
>
>
>

--

Bob Evinger WD9EKA Marshall, Illinois
If Guns Cause Crime, Then Matches Cause Arson.

Date: Sun, 18 Feb 2001 20:56:40 -0500
From: "Mark Fancher" <mmfancher@earthlink.net>
To: <kd1jv@moose.ncia.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [92033] Re: Fiberglass Enclosures?
Message-ID: <00b101c09a17\$3558a0e0\$ab2c56d1@GEARemote>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Steve,

This is what I was thinking about. You could make a QRP rig in all kinds of ergo friendly shapes! I was just imagining how a discus shaped rig would work with a recess for your hand to set in with controls under your finger tips. You could have one for VFO, RIT, RF gain, etc while your strong hand operated the key.

The excellent ergo characteristics of a Nintendo control comes to mind. That might be another concept for a "trail friendly" rig.

You could make interesting colors, also, or you could go au natural and leave it looking like some graphite composite flight control from a fighter plane.

I'm not sure how it would shield, though, I assume it would provide no shielding. Maybe a fine mesh of 28 magnetic wire, grounded and impregnated into the composite would do the trick.

Anyway, interesting concept. If you got good at it, your creation would probably win a QRP building contest, for sure!

If anyone actual does this, or has done it, please contact me and let me know how it came out.

Mark, W09G

----- Original Message -----

From: "Steven Weber" <kd1jv@moose.ncia.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Sunday, February 18, 2001 3:19 PM

Subject: Re: Fiberglass Enclosures?

> Here's another idea.

>

> Make the form for your enclosure out of cardboard, then saturate it
> with resin and maybe some reinforcing cloth. This opens up some real
> interesting possibilities for custom enclosures...

>

>

>

>

> 72,

> Steve, KD1JV in the white Mountains of New Hampshire

> "melt solder"

>

Date: Sun, 18 Feb 2001 17:59:19 -0800 (PST)

From: Jim Hale <kj5tf@yahoo.com>

To: QRP-L <qrp-l@Lehigh.EDU>

Subject: [92034] ARRL DX milliwatt report KJ5TF&NQ5RP

Message-ID: <20010219015919.73162.qmail@web10002.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Saturday wasn't good for me either. Sunday was a blast! Sri Diz had to work, we'd have some good logs to see if he had made it.

HC8N was 50000 strong I lowered to 4mW and after several calls in the clear he got me!! I tried 1mW as NQ5RP, but the band had changed by then.

I got a few new DXCC's too, it was a very good day.

Plus caught D68C on 12M and got him in the clear with 100mW. He had no callers so I called "50mW 50mW" and he sent "QRZ?" So I sent my call and 55mW again, and he copied me. Not 100% sure I made the log. They are trying to work as many as they can, and frown on dupes. So I was pushing my luck. Hi

How abt that DK1MAX/QRP?!! He was running 1w, so I got him myself and then lowered to 50mW and got him as NQ5RP AR QRP club.

Also in there was UT9FJ/QRP at 5w. There were several more DX QRP stns as well.

I used the new logging program by Scott Davis for the arrl dx test. Its really neat to watch the score rack up after each QSO. Maybe others are used to this, but new for me. My score is all figured for me, and ready to email to ARRL !! FB program!!! And free too.

Here's everything ARRL will get.

72's de Jim KJ5TF

START-OF-LOG: 2.0

ARRL-SECTION: AR

CONTEST: ARRL-DX-CW

CALLSIGN: KJ5TF

CATEGORY: SINGLE ALL QRP

CLAIMED-SCORE: 17487

OPERATORS: KJ5TF

SOAPBOX: all qso's 750mW or less.

SOAPBOX:

SOAPBOX:

QSO: 14000 RW2F

QSO: 14000 HC8N

QSO: 14000 T48K

QSO: 28000 GJ2A

QSO: 28000 8P9NX

QS0: 14000 D68C
QS0: 14000 EI7M
QS0: 14000 TG5C
QS0: 14000 ED1RRL
QS0: 21000 T48K
QS0: 21000 LR7A
QS0: 21000 T32RD
QS0: 21000 C6AGS
QS0: 21000 JR1AIB
QS0: 21000 VK4EMM
QS0: 21000 AC4G/KH9
QS0: 28000 D68C
QS0: 28000 HB9FAP
QS0: 28000 SK3W
QS0: 28000 RL3A
QS0: 28000 MD/DL5AXX
QS0: 28000 UR5ECW
QS0: 28000 HB9DCM
QS0: 28000 GM3P0I
QS0: 28000 8P5A
QS0: 28000 RU1A
QS0: 28000 UT9FJ/QRP
QS0: 28000 RW2F
QS0: 28000 YT1W
QS0: 28000 HA5PT
QS0: 28000 OZ8SW
QS0: 28000 IZ0AIS
QS0: 28000 DK1MAX/QRP
QS0: 28000 TA2BK
QS0: 21000 C6AKW
QS0: 28000 TM5C
QS0: 28000 DL0DX
QS0: 28000 YL8M
QS0: 28000 HA8JV
QS0: 28000 OK2RZ
QS0: 28000 S50C
QS0: 28000 G0IVZ
QS0: 28000 EA3KU
QS0: 28000 LY7Z
QS0: 28000 RW1ZA
QS0: 28000 I3LCK
QS0: 28000 YZ1U
QS0: 28000 OM2DX
QS0: 28000 OH0Z
QS0: 28000 GW3NJW
QS0: 28000 OT1U
QS0: 28000 ON6AA
QS0: 28000 OZ5W

QS0: 28000 EA8NN
QS0: 28000 ZF1A
QS0: 28000 WP2Z
QS0: 28000 HC8N
QS0: 28000 HR6/N4MO
QS0: 28000 KH6TO
QS0: 28000 KH7Z
QS0: 28000 VP5GA
QS0: 28000 VK4UC
QS0: 28000 EA8CN
QS0: 28000 VE9ST
QS0: 28000 CT1DSC
QS0: 28000 V47X
QS0: 21000 TI3TLS
QS0: 21000 8P5A
QS0: 21000 KL7RA
QS0: 21000 P40R
QS0: 21000 KH6TO
QS0: 28000 KH6/W6PH
QS0: 28000 LW1EXA
QS0: 28000 P49V
QS0: 28000 VP5A
QS0: 28000 JF1SQC
QS0: 14000 TM5C
QS0: 14000 VP5V
QS0: 14000 C6AKW
QS0: 14000 C6AKP
QS0: 14000 8P5A
QS0: 14000 P49V
QS0: 14000 ZF2NT
QS0: 14000 WP2Z
QS0: 14000 XA5T
QS0: 28000 V73ZZ
QS0: 28000 JA8RWU
QS0: 28000 JF3BFS
QS0: 28000 VK4EMM

=====

<http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
Join/renew membership QRP Amateur Radio Club International
<http://www.qrparci.org/arcijoin.html>
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

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Date: Sun, 18 Feb 2001 18:11:06 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [92035] Wisconsin Update...
Message-ID: <002401c09a19\$39a13520\$8f100a0a@gforsythe>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Everyone,

Finally had a break from work and got caught up on e-mail. Sorry that I haven't been able to get together with anyone in the area, but it's been a busy work week. I may have a bit of time this week before I leave on Friday. I had to go and meet one of the guys that I'm working with yesterday. He lives a few miles out of Madison,WI in Lodi,WI. I have to say that I was drooling over the possible QTH's on the way out to his house. Beautiful dairy farms with miles and miles of room for big antenna farms! Boy, it'd be great to own one of these places and convert the barn to a Lab/Garage/Ham Shack! Anyway, if you've never been to WI and checked out the countryside, and you get the chance, it's worth the view!

73
Trev
KG6CYN

Date: Sun, 18 Feb 2001 18:33:31 -0800 (PST)
From: Jim NOUR <n0ur@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [92036] FOX: Final log NOUR hunt#35
Message-ID: <20010219023331.85681.qmail@web10407.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

- 0200	W0PWE	599	IA	JERRY	5W
> 0200	K0EVZ	579	ND	DOC	2W
> 0201	K9IUA	559	ND	KEVIN	5W
> 0202	K0MP	559	CO	BILL	5W
> 0202	K5VUU	559	TX	ED	5W

> 0203	WA9TZE	559	WI	JIM	5W
> 0203	VE5RC	559	SK	BRUCE	5W
> 0204	N9AW	559	WI	JERRY	5W
> 0205	K0SQ	599	MN	CHUCK	5W
> 0205	N5WL	559	OK	BILL	5W
> 0206	W9XU	559	WI	LON	5W
> 0206	N2CQ	559	NJ	KEN	5W
> 0207	W5YR	559	TX	GEORGE	5W
> 0208	N8IE	589	OH	DAN	5W
> 0208	WE9K	559	WI	GLENN	5W
> 0209	NK9G	559	WI	RICK	5W
> 0210	W9XT	579	WI	GARY	5W
> 0210	K4ADI	559	SC	FRANK	5W
> 0211	N4ROA	559	VA	DAN	4W
> 0214	AE9K	559	WI	BRIAN	5W
> 0215	W5SB	559	TX	BILL	4W
> 0215	K5DI	579	NM	KARL	5W
> 0216	NQ7X	559	AZ	FLOYD	5W
> 0217	VA6RF	559	AB	EARL	5W
> 0217	K2Q0	559	NY	MARK	5W
> 0218	WB8RCR	559	MI	JOHN	2W
> 0218	W8PIG	589	OH	PORKY	5W
> 0219	KK5LD	559	TX	DAN	5W
> 0220	K5ZTY	559	TX	BILL	5W
> 0221	K0FRP	599	CO	AL	5W
> 0222	N5UW	579	OK	CLIFF	5W
> 0222	K4GT	559	GA	JIM	5W
> 0223	N9KW	599	IL	JOHN	5W
> 0224	W0CH	579	MO	DAVE	5W
> 0224	W8RU	599	MI	RON	2W
> 0225	W5USJ	559	TX	CHUCK	5W
> 0226	WB8ICN	589	MI	MIKE	5W
> 0226	KI0RB	559	CO	VINCE	5W
> 0227	AA2PF	559	NY	DAVE	5W
> 0228	KQ5U	559	TX	TERRY	5W
> 0229	KC1FB	559	CT	JIM	5W
> 0230	N3AO	559	PA	CARTER	5W
> 0230	AK7Y	559	AZ	GREG	5W
> 0231	N5EN	559	TX	STEVE	5W
> 0232	W5HNS	559	TX	HENRY	5W
> 0232	W5YA	559	NM	FRED	5W
> 0233	N8VAR	559	OH	RON	5W
> 0234	N5GLQ	559	LA	MIKE	5W
> 0235	K7RE/C6A	559	C6A	BRIAN	5W
> 0236	N6WG	559	CA	BOB	5W
> 0237	K50I	559	NM	TIM	5W
> 0238	AF4PS	579	FL	MAC	3W
> 0239	K5JHP	559	TX	BILL	5W

> 0240	W0RW	579	CO	PAUL	5W
> 0241	K5E0A	559	LA	WAYNE	5W
> 0242	KI0II	559	CO	RON	5W
> 0243	AA7EQ	559	AZ	BOB	5W
> 0244	K4FB	559	FL	PAUL	5W
> 0244	N2ZHY	559	NJ	DAVID	5W
> 0245	K3NG	559	PA	GOODY	5W
> 0246	N9QIL	559	IN	KEN	5W
> 0247	KB7WW	559	OR	ART	5W
> 0248	KF4VTM	559	VA	DAN	4W
> 0249	VE6BF	599	AB	BILL	100W
> 0250	K5AAR	559	OK	DON	5W
> 0251	K5HKX	559	TX	PAUL	5W
> 0252	K5LN	559	TX	BILL	5W
> 0253	NV4V	559	KY	PETE	100W
> 0254	W3PNL	579	PA	JOE	3W
> 0255	WA5OJE	559	TX	DANNY	5W
> 0256	WA7TQK	559	ID	BILL	5W
> 0256	WA5REJ	559	TX	AL	5W
> 0258	W2XN	339	FL	FRED	5W
> 0300	WS4S	569	TN	CONARD	5W
> 0301	KJ0C	559	MO	JIM	5W
> 0301	K4BYF	559	FL	JACK	5W
> 0302	N10DL	559	NH	ART	5W
> 0303	AC5JH	559	OK	TOM	5W
> 0304	NK7M	559	AZ	BOB	5W
> 0305	W1HUE	559	ID	LARRY	5W
> 0305	VE6EX	559	AB	DAN	5W
> 0306	NK6A	559	CA	DON	5W
> 0308	K7FD	559	OR	JOHN	5W
> 0309	K6VNX	559	CA	ARLEN	5W
> 0310	AA7XA	579	OR	FRANK	5W
> 0311	K7TQ	559	ID	RANDY	5W
> 0312	AD6JV	559	CA	BILL	5W
> 0313	N5IB	559	LA	JIM	5W
> 0313	K5DW	559	TX	DON	5W
> 0314	K0PC/M	599	MN	PAT	1W
> 0315	K5JS	559	LA	JOHN	2W
> 0316	N4VM	559	TN	BRYN	5W
> 0317	N3YSI	559	PA	PAUL	3W
> 0317	KD7CTF	559	OR	LEE	5W
> 0318	AF4LQ	579	KY	MIKE	5W
> 0319	NU8S	559	OH	DENNIS	2W
> 0320	N4JIU	559	TX	BRUCE	5W
> 0321	N1TP	559	FL	TOM	5W
> 0322	N1LN	559	TX	BRUCE	5W
> 0322	N0DSP	559	CO	TOM	5W
> 0324	W3ERU	559	MD	WES	5W

> 0325	KE6RS	559	CA	RON	5W
> 0326	K10J	559	TX	OJ	5W
> 0327	AD2A	559	NJ	DAVID	5W
> 0328	AB0GO	559	CO	DAVE	5W
> 0329	XA5T	599	XE	PABLO	5W
> 0332	K5NZ	559	TX	MIKE	5W
> 0333	N5TU	599	TX	EARL	5W
> 0337	WA3WAW	559	PA	BERT	5W
> 0341	W6ABC	559	CA	JACK	5W
> 0342	W9UQB	559	AZ	MIKE	5W
> 0343	K8CV	559	FL	WALT	5W
> 0344	W3SMK	559	NJ	STEVE	5W
> 0344	N0AR	559	MN	SCOTT	5W
> 0345	N5OHL	559	OK	JIM	5W
> 0351	WV9N	559	OH	RANDY	5W
> 0352	W0UFO	559	MN	MERT	5W
> 0356	W9JOP/4	559	VA	BOB	350MW
> 0359	AA0ZZ	559	MN	CRAIG	5W
> 0400	N0UR	599	MN	FOX	5W
>					
>					

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Date: Sun, 18 Feb 2001 21:35:47 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, QRP Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [92037] Fox Cub Monday Feb 19(Tues 20 z)
Message-ID: <3A908683.E0B995A0@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

First reminder to all that I will be your Fox Cub for tomorrow night,
that being Monday evening in the USA and Canada, and early tuesday
morning in Z....

I will be on or near 7.141+/-, and will be listeng up or down 1-2.
This is my last stint as Fox for this year, but would like to thank all
who played in the hunts, and Thank those who let me be a Fox Cub this
year, I had a ball...

Again, yours truly will be Fox Cub Monday(Tuesday) at 9:00PM EST(02:00Z)

So look for you all tomorrow.

Fred
VE3FAL

Date: Sun, 18 Feb 2001 21:39:10 -0500
From: rich a <rckchp@home.com>
To: jamesd1@flash.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [92038] Re: FT-817 Measurements as well as Cheap and Easy Yagis
Message-ID: <3A90874E.D367285A@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"James R. Duffey" wrote:

> I smiled at the mention of the Cheap Yagis. I have used these as well. If
> you didn't already know it, Kent's Cheap and Easy Yagis are also on the web
> at:
>
> <http://www.clarc.org/Articles/uhf.htm>

Above link was dead when I tried it, but I did a "Cheap Yagis" Google
search and the article turned up here :

<http://members-proxy-3.mmbprpxy.home.net/fspinner/W0FMS/CheapYagi/>

Rich KB2CPE

Date: Sun, 18 Feb 2001 22:29:15 -0500
From: "Dennis Berry" <dennisberry@worldnet.att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [92039] Schematic for MFJ-9020
Message-ID: <03a701c09a24\$23d47440\$d933fea9@capricorn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have had a schematic sent to me. Thanks to all who responded with words
of encouragement, and of course the info on the schematic!!

Dennis, NU8S

Date: Sun, 18 Feb 2001 22:30:26 -0500
From: Hank Kohl K8DD <k8dd@arrl.net>
To: qrp-1@lehigh.edu
Subject: [92040] ARRL DX CW - WQ8RP
Message-ID: <5.0.2.1.2.20010218222239.023d4e70@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

2001 ARRL DX CONTEST

Call used:
WQ8RP Location: MI
Category: Multi-Two Xmtr Mode:
CW Power: 5W
Callsign of Operator: WQ8RP
If multi-operator, show calls of all operators and loggers:
AC8W, K8DD, K8WMW, WD8S, WX3M
Exchanged Information: WQ8RP RST MI
Hours of Operation: 47:52

band	QSOs	points	mults	
160	16	48	13	
80	108	324	51	
40	292	876	80	
20	368	1104	86	
15	597	1791	92	
10	591	1773	95	
TOTAL	1972	5916	417	SCORE: 2,466,972

I know There is no QRP class in Multi-2, but it was there, so we had to do it. The station owner (K8CC) where we normally operate Multi-Multi went to WP2Z and said "you want to run WQ8RP again?". Absolutely! It's great to sit under some serious aluminum, leave the big glass things turned off and have some serious fun for 47 hours and 52 minutes.

Some of the highlights were:

1. beat out stations that I know were running a KW (or more) with 5

watts output.

2. work VQ9I0 on 4 bands - 40M 12 min before the end of the contest.
3. to run EU on 10 and 15 and not have to give up the frequency too often!
4. to show one or two of the ops that "life is NOT too short for QRP!"

QRP is!

Date: Sun, 18 Feb 2001 21:56:08 -0600
From: "Gordon Couger" <gcouger@couger.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, <mmfancher@earthlink.net>
Subject: [92041] Fiber glass enclosures vacuum bagging.
Message-ID: <070c01c09a27\$e4e6b1e0\$49daf0d0@home.xxx>

<http://web2.airmail.net/redmonj/sucker.htm> shows how to build a cheap vacuum system to vacuum bag fiber glass parts.

Any shape part can be made by making a wooden plug and using a vacuum to form fiber glass over it. Copper foil can be included for shielding. If a part that won't pull off a plug or come out of a mold is needed it can be made from styrofoam and dissolved out with gasoline.

Some links on vacuum bagging.

<http://composite.about.com/industry/composite/library/weekly/aa000109.htm>
<http://www.fibreglast.com/Bro913Vacbag.htm>
<http://www.jcsw.com/John/Rocketry/Kitchenbagging.html>

Gordon W5RED
G. C. Couger gcouger@provalue.net Stillwater, OK
www.couger.com/gcouger

Date: Sun, 18 Feb 2001 22:25:52 -0600
From: Karl Heimbach <kheimbach@earthlink.net>
To: boatanchors@qth.net, FT817@egroups.com, HEATH@LISTSERV.TEMPE.GOV, jwsteven@telocity.com, qrp-1@Lehigh.edu, Ten-Tec Reflector <tentec@contesting.com>, MilChom Reflector <milcom@qth.net>

Subject: [92042] Items for sale
Message-ID: <5.0.2.1.2.2001021822225.00a59f98@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

New items on webpage... Partial GRC-109, Heath VTVM, Ten-Tec 2591, power supplies, etc.

<http://home.earthlink.net/~kheimbach/>

Thanks,

Karl

Date: Sun, 18 Feb 2001 23:52:19 -0500
From: Pete Burbank <plburbank@kih.net>
To: n4so@juno.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [92043] Re: RFI Questions
Message-ID: <5.0.2.1.0.20010218234055.00a7a760@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:20 PM 2/18/2001 -0600, Ken Brown wrote:

>Questions concerning RFI can go directly to Ed Hare
>at the ARRL... w1rfi@arrl.org
>The ARRL Handbook (ed. 1996) chapter for Electromagnetic
>Interference (EMI) is Chapter 28, with Electrical Noise info
>on page 28.13. A Pi-network filter for electrical noise is
>shown in the same chapter.

>

>

>

> >From "Hare,Ed, W1RFI" <w1rfi@arrl.org>
> Thu, 1 Feb 2001 19:31:15 -0500 (EST)

>

>Ken Brown N4SO
>Mobile, AL EM50tk
>NorCal 20 at 5 watts
>4 element mono. yagi
>Elecrafft K1 #260

>

>

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><http://dl.www.juno.com/get/tagj>.

I think that before asking Ed Hare (who I would imagine to be rather busy), it would be a good idea to read Nelson's book on RFI and other ARRL Pubs.
73 Pete NV4V

Date: Sun, 18 Feb 2001 22:26:53 -0700
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@lehigh.edu
Subject: [92044] QDOPE Followup
Message-ID: <3A904C2D.27799.4CD434@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

There's something about my recent posting about Q-Dope that really should be clarified--

When I said it is less noxious than nail varnish, I meant noxious in the sense of unpleasant, not toxicity.

It is unwise if not downright dangerous to breathe the vapors of any solvent more more complex than water, so please read the label and use it with caution!

Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
<http://www.mtechnologies.com>

Date: Mon, 19 Feb 2001 00:23:30 -0600
From: "Glenn Butzlaff" <gbutzlaff@voyager.net>
To: <qrp-1@Lehigh.EDU>
Subject: [92045] Re: Wisconsin Update...
Message-ID: <003501c09a3c\$7d7af7e0\$c88acfa9@biff>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sent: Sunday, February 18, 2001 8:11 PM
Subject: Wisconsin Update...

> Hi Everyone,
> Finally had a break from work and got caught up on e-mail. Sorry that
I
> haven't been able to get together with anyone in the area, but it's been a
> busy work week. I may have a bit of time this week before I leave on
Friday.
> I had to go and meet one of the guys that I'm working with yesterday. He
> lives a few miles out of Madison,WI in Lodi,WI. I have to say that I was
> drooling over the possible QTH's on the way out to his house. Beautifull
> dairy farms with miles and miles of room for big antenna farms! Boy, it'd
be
> great to own one of these places and convert the barn to a Lab/Garage/Ham
> Shack! Anyway, if you've never been to WI and checked out the countryside,
> and you get the chance, it's worth the view!
>
> 73
> Trev
> KG6CYN

Trevor, you need to take the same trip thru the area in summer when those
same
farmers are spraying liquid manure on those beautiful fields! Mmmmm.....

Glenn Butzlaff WE9K
Cudahy, WI

Date: Mon, 19 Feb 2001 00:49:32 -0600 (CST)
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@lehigh.edu
Subject: [92046] ARRL DX: 40m Sat. night -- newbies note!
Message-ID: <Pine.SOL.4.03.10102190024130.28890-100000@sunburst.usd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang:

Well, I've re-earned my "persistence'n'patience" strips again!
Fri. night was great as per my post -- 71 QSOs in 47 countries.
Propagation just wasn't good for me Sat. night. I only managed
30 more QSO's in 6 more countries. So the total was 101 QSO's,
53 countries. The best was D68C taking the time to invite me
down to 80m, and when I said "sir no ant", he then invited me
to call D8C on the high bands! That's what "SD" does in a

contest. I started on 10m with 500mw, got requested down to 15m, then a RA1 on 15m asked me to go down to 20m. Both QSY's worked surprisingly. Then I got TZ6DX in Mali on the 20m loop -- pretty easy. A pair of VK'' and 3 KH6's were also easy.

But the rest of the night was drudgery and misery. About 6.5 hours of operating for a rate of about 4.6 QSO's per hour or some such number.

This doesn't mean 1 every 12 minutes. There were 40-50 min. periods of calling stns up and down the band over and over again, then nailing two quick ones in a 1x1 exchange in the next 2 mins. Then more futile calling until the next hit. Ok, this is where the newbies stuff comes in.

All of our posting about our great DX'ploits must be pretty intimidating, especially if you have to work hard to make ordinary QSO's on 40m, or even 20 and 15m. Here come these veterans who rack up 430QSO's in near to 100 countries in one weekend. Incidentally, those guys also intimidate me, in case you wonder how a veteran looks at phenomenal results! I'm not a top-of-the-pile kind of DX'r -- I can't sit long enough and even if I could, I wouldn't make 430QSO's in a DX contest. Never did, never will. But I do like a challenge! That's why I will run 500-800mw on the high bands in a DX contest -- 5w is kind of too easy. And that's why I focus on 30m DXCC and now this 40m DX thing during contests. If I manage to work a few DX stns, I'm impressed. In fact, just about every time a DX answers me, I'm impressed. And when something like D68C or TZ6DX stop the pile-up for me, it knocks my socks off! So, what I'm trying to get across is a simple point: you have to just keep plodding along from one QSO to the next, not knowing if the previous QSO was actually the last one you'll make. Can't run at 30wpm for the DX contest? You DON'T have to! I heard so many 12-14wpm types making QSO's on 40m that I stopped noticing. Sure, the DX is going 30wpm, but all you have to do is copy him sending your call! Every time I had to go into a repeat routine Sat. night, I QRS'd and the DX followed my speed down. So, bottom line, when you try to work a DX contest, or just work DX, you start out with the knowledge that if propagation is right and you have a decent ant. like a dipole, you'll work some DX if you stick at it. But the operative assumption is that you won't work but 1 out of 20 or more. Another way of looking at it -- unanswered calling isn't a waste -- it's good code practice! And when one finally does come back to you, well, you'll just have to find out what it feels like yourself!

I rummaged through my old DX contest logs and discovered that

I've actually worked 70 countries on 40m. One at a time. No point in counting until it seems that you have a bunch.

The CQ WW is coming up in May -- that's always a good one.

Good luck!

72, Ade

Date: Mon, 19 Feb 2001 01:14:06 -0600
From: "John Burnley" <burnleyia@home.com>
To: <qrp-l@lehigh.edu>, <IaQRP-L@divis17.ped-gen.uiowa.edu>
Subject: [92047] Contest: ARRL DX Contest
Message-ID: <000b01c09a43\$8c099b20\$1b790818@c149552-a.west1.ia.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What a hoot! The bands were in good condition and I got to have a little fun in between chores (hi). I've looked at some of the other posts (QRP-L) and an FB job to the WQ8RP boys as well as Jim 'Milliwatt' Hale's exploits (and others).

I ran an NC-20 and an IAQRP-10 into a shortened inductively loaded loop in the attic over my garage. I made many contacts on 20 and 10 with this antenna, but it really stunk on 15 (hi), so my MS-15 will have to wait until I get an antenna that is more effective on that band.

Mike Fitzgibbon (NOMF) really saved me as the IAQRP-10 was delivered Saturday afternoon. The XYL didn't think the box was important so she didn't interrupt me until after 10 meters closed on Saturday (hi) when I took a break.

Here's the summary:

Rigs: NC-20 5 watts 70 Khz tuning range
IAQRP-10 3 watts 20-30 Khz tuning range

Antenna: Fractal Wing Loop (shortened loop inductively
loaded in attic over garage).

Band:

20: QS0's 84 Countries 50
10: QS0's 39 Countries 30
Total QS0's 123 Countries 80 (Unique countries 50)

Q's of interest: 20 M: D68, EA8, EI, FS, MD, KH7, LU, OE,
OH0, OZ, PY, UA0. 10M: JF1, KH6, LA, ZL.

I hope others will post their results too. Operating QRP in a
major DX contest is great fun! You can have success with
monoband rigs and wire antennas. I think the next big one
will be the WPX. Dust off those old kits and pull them off the
shelf for some good ol' QRP fun! I hope to see you in the
next contest.

72, John NU0V

Date: Mon, 19 Feb 2001 02:00:59 -0700
From: "Tntjoe" <tntjoe@qwest.net>
To: "list QRP" <qrp-l@Lehigh.EDU>
Subject: [92048] Rf Choke
Message-ID: <NEBBIJDBGLGEDGHDACCGCEKHCHAA.tntjoe@qwest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang

I would like some info on how to build a RF Choke for my 20 meter dipole
any web site that I can look at and get a idea on size and how many turns

Tnx 73

73

Joe KC7TNT

" When all is said and done usually more is said than done"

Name TNTJOE
Ham Radio KC7TNT
Phone # 602-867-7045
Fax # 602-867-7045
Fists C/W Club # 4213
Fists CC # 864

Date: Mon, 19 Feb 2001 00:48:13 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [92049] AL7FS in San Francisco area for 9 days starting Feb 20.
Message-ID: <3A90EBDD.E0E931A1@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska.

I will be in the SF area for 9-10 days starting Feb 20 and ending March 1st. Are there any activities I should be aware of? Nets? Either SSB or CW?

Please reply to both this address AND to AL7FS2001@hotmail.com I will use hotmail from my sister-in-laws house.

Feb 20-21 in Richmond area at relative's house with BART access at Richmond.

Feb 21 eve to late afternoon Feb 25 in D/T San Francisco-Cranio Sacral Therapy Class. I will be tied up in the class for four days but will be free in the evenings. I am staying at The Cathedral Hill Hotel at 1101 Van Ness Avenue. Phone: 415-776-8200. (Even their "special hotel rates for the class choked me up mightily. Four nights will almost buy a K2. Ugh.)

Feb 25 evening to March 1st late morning in Richmond with access to BART.

I am taking along the QRP+, the SST20 and the SWL SW40+. Antenna will be either a 67 foot wire or an 85 footer each with a counterpoise. Maybe I can sneak in a QSO or three. I will also have the Alinco DJ-580T along. Any suggestions on VHF or UHF?

Thanks and I hope to hear from you.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
<http://www.qsl.net/al7fs/>

Date: Mon, 19 Feb 2001 06:05:01 -0500
From: "Pastor-KC1DI" <elbc@pivot.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [92050] Arrl DX Test
Message-ID: <009c01c09a63\$cebe6d40\$cc7961ce@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Gang ,
Been looking at all the Post and seems like some Did a real good Job with Qrp during the contest..
I Had only about 2 hrs of operating, all on 80m Sat night running 3 w to a sloping G5RV Ant.
I've never heard 80m in such good and quite conditions as Sat night.
Managed to work 22 countries on that band qrp. What a blast.
They included some HC8N, RU1A and others Who said you can't work DX on 80 with QRP.

See you on the Bands.
73 Dave
KC1DI

Date: Mon, 19 Feb 2001 05:51:27 -0600
From: "Steve Zumbrun" <zumbruns@pionet.net>

To: "QRP Refector" <qrp-1@Lehigh.EDU>
Subject: [92051] FT-817
Message-ID: <000b01c09a6a\$4bd2f020\$376978c7@zumbruns>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I have a new 817 for sale with the Collins cw filter and Nicad battery pack never used. I want \$850.00 plus shipping any where in the continental USA.
72, Steve W0SZ

Date: Mon, 19 Feb 2001 07:00:39 -0500
From: Dan Wolfe <n4roa@mounet.com>
To: qrp-1@Lehigh.EDU
Cc: john@neknetwork.com
Subject: [92052] Fox: Final log
Message-ID: <3A910AE6.4E30@mounet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mornin' All,

Had to make a couple of typo corrections. Here is the final log for my run last Wednesday night. It sure was much fun and I will be on one more time. Look for me on the 29th of this month. I will of course give you another warning before then.

0200 K0EVZ	579	ND	DOC	2W
0202 K4TJD	599	GA	TOM	5W
0203 AF4PS	579	FL	MAC	4W
0205 K4BYF	589	FL	JACK	5W
0206 W0CH 579	MO	DAVE	500mW	
0208 N2CQ 559	NJ	KEN	5W	
0209 W3PNL	589	PA	JOE	3W
0211 AA7XA	579	OR	FRANK	5W
0213 AC5JH	559	OK	TOM	5W
0215 KB3EOF	559	MD	MURPHY	3W
0216 K9IUA	599	ND	KEVIN	5W
0218 N4VM 559	TN	BRYN	5W	
0219 WB0QQT	589	NE	STEVE	5W
0221 W3SMK	559	NJ	STEVE	5W
0223 W9WIS	559	WI	MIKE	5W
0224 K5DI 559	NM	KARL	5W	

0226	KK5LD	599	TX	DAN	5W		
0227	KV4EE	559	SC	CRAIG		5W	
0229	AA7EQ	559	AZ	BOB	5W		
0230	N8VAR	559	OH	RON	5W		
0232	KU4TN	539	FL	JAMES		500mW	
0236	WA7TQK	579	ID	BILL	5W		
0238	W2XN	599	FL	FRED	5W		
0240	W6ABC	559	CA	JACK	5W		
0241	W3ERU	559	MD	WES	5W		
0243	N9WW	599	IL	JIM	5W		
0246	W9HL	579	IL	RANDY		5W	
0249	AF4PS	579	FL	MAC	100mW		DUPE
0251	K5DW	559	TX	DON	5W		
0256	WE9K	599	WI	GLENN		5W	
0258	KC1FB	559	CT	JIM	5W		
0259	W5YR	559	TX	GEORGE		5W	
0301	K4FB	599	FL	PAUL	4W		
0305	K4GV	599	VA	JIM	20W		
0312	N0KLV	559	MN	KEVIN		5W	
0314	K5ZTY	559	TX	BILL	5W		
0318	KJ0C	589	MO	JIM	5W		
0320	AF4LQ	559	KY	MIKE	5W		
0323	AJ4AY	599	AL	JAY	2W		
0325	KC0GXX	559	NE	TOM	3W		
0327	KI0II	579	CO	RON	5W		
0330	N10DL	559	NH	ARON	1W		
0338	KK7OQ	449	OR	JIM	5W		
0341	K4LKL	599	FL	LARC	500mW		
0345	WU9F	559	WI	TERRY		5W	
0349	N9HWC	559	IL	TOM	5W		
0353	WK6I	559	CA	JEFF	5W		
0358	N9WW	579	IL	JIM	1W		DUPE
0400	KG0LD	579	NE	BILL	5W		
0400	N4ROA						

Thanks a bunch.

72/73..Cub Fox Dan, N4ROA

Date: Sun, 18 Feb 2001 07:19:35 -0800
 From: paul taylor <ptay1@bestweb.net>
 To: qrp-1@LEHIGH.edu
 Subject: [92053] fs
 Message-ID: <3.0.32.20010218071935.0069b1e0@pop.bestweb.net>
 Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

prior sale fell thru

FS mfj 9020 in good working order 85.

reply off list

Date: Mon, 19 Feb 2001 06:10:57 -0600
From: Ken Brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [92054] Elecraft K1
Message-ID: <20010219.062214.14294.3.n4so@juno.com>

Elecraft K1 For Sale- New and in Perfect Condition
I would like to sell the K1 which was built in
December for \$300 postpaid. Bands 20/15 meters

DX- just worked VY1/VA3EU in Whitehorse Yukon
14.021. K1 at 5 Watts and 4 element beam.

Ken Brown N4SO
Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi
Elecraft K1 #260

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 19 Feb 2001 04:48:27 -0800 (PST)
From: Jim NOUR <n0ur@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [92055] FOX: Final log NOUR hunt#35...TAKE 2
Message-ID: <20010219124827.55771.qmail@web10403.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Jim NOUR <n0ur@yahoo.com> wrote:
> Date: Sun, 18 Feb 2001 18:33:31 -0800 (PST)
> From: Jim NOUR <n0ur@yahoo.com>
> Subject: FOX: Final log NOUR hunt#35
> To: qrp-1@Lehigh.EDU

>
>

> - 0200	W0PWE	599	IA	JERRY	5W
> > 0200	K0EVZ	579	ND	DOC	2W
> > 0201	K9IUA	559	ND	KEVIN	5W
> > 0202	K0MP	559	CO	BILL	5W
> > 0202	K5VUU	559	TX	ED	5W
> > 0203	WA9TZE	559	WI	JIM	5W
> > 0203	VE5RC	559	SK	BRUCE	5W
> > 0204	N9AW	559	WI	JERRY	5W
> > 0205	K0SQ	599	MN	CHUCK	5W
> > 0205	N5WL	559	OK	BILL	5W
> > 0206	W9XU	559	WI	LON	5W
> > 0206	N2CQ	559	NJ	KEN	5W
> > 0207	W5YR	559	TX	GEORGE	5W
> > 0208	N8IE	589	OH	DAN	5W
> > 0208	WE9K	559	WI	GLENN	5W
> > 0209	NK9G	559	WI	RICK	5W
> > 0210	W9XT	579	WI	GARY	5W
> > 0210	K4ADI	559	SC	FRANK	5W
> > 0211	N4ROA	559	VA	DAN	4W
> > 0214	AE9K	559	WI	BRIAN	5W
> > 0215	W5SB	559	TX	BILL	4W
> > 0215	K5DI	579	NM	KARL	5W
> > 0216	NQ7X	559	AZ	FLOYD	5W
> > 0217	VA6RF	559	AB	EARL	5W
> > 0217	K2Q0	559	NY	MARK	5W
> > 0218	WB8RCR	559	MI	JOHN	2W
> > 0218	W8PIG	589	OH	PORKY	5W
> > 0219	KK5LD	559	TX	DAN	5W
> > 0220	K5ZTY	559	TX	BILL	5W
> > 0221	K0FRP	599	CO	AL	5W
> > 0222	N5UW	579	OK	CLIFF	5W
> > 0222	K4GT	559	GA	JIM	5W
> > 0223	N9KW	599	IL	JOHN	5W
> > 0224	W0CH	579	MO	DAVE	5W
> > 0224	W8RU	599	MI	RON	2W
> > 0225	W5USJ	559	TX	CHUCK	5W
> > 0226	WB8ICN	589	MI	MIKE	5W
> > 0226	KI0RB	559	CO	VINCE	5W
> > 0227	AA2PF	559	NY	DAVE	5W
> > 0228	KQ5U	559	TX	TERRY	5W
> > 0229	KC1FB	559	CT	JIM	5W

>	>	0230	N3AO	559	PA	CARTER	5W
>	>	0230	AK7Y	559	AZ	GREG	5W
>	>	0231	N5EN	559	TX	STEVE	5W
>	>	0232	W5HNS	559	TX	HENRY	5W
>	>	0232	W5YA	559	NM	FRED	5W
>	>	0233	N8VAR	559	OH	RON	5W
>	>	0234	N5GLQ	559	LA	MIKE	5W
>	>	0235	K7RE/C6A	559	C6A	BRIAN	5W
>	>	0236	N6WG	559	CA	BOB	5W
>	>	0237	K5OI	559	NM	TIM	5W
>	>	0238	AF4PS	579	FL	MAC	3W
>	>	0239	K5JHP	559	TX	BILL	5W
>	>	0240	W0RW	579	CO	PAUL	5W
>	>	0241	K5EOA	559	LA	WAYNE	5W
>	>	0242	KI0II	559	CO	RON	5W
>	>	0243	AA7EQ	559	AZ	BOB	5W
>	>	0244	K4FB	559	FL	PAUL	5W
>	>	0244	N2ZHY	559	NJ	DAVID	5W
>	>	0245	K3NG	559	PA	GOODY	5W
>	>	0246	N9QIL	559	IN	KEN	5W
>	>	0247	KB7WW	559	OR	ART	5W
>	>	0248	KF4VTM	559	VA	DAN	4W
>	>	0249	VE6BF	599	AB	BILL	100W
>	>	0250	K5AAR	559	OK	DON	5W
>	>	0251	K5HKX	559	TX	PAUL	5W
>	>	0252	K5LN	559	TX	BILL	5W
>	>	0253	NV4V	559	KY	PETE	5W
>	>	0254	W3PNL	579	PA	JOE	3W
>	>	0255	WA5OJE	559	TX	DANNY	5W
>	>	0256	WA7TQK	559	ID	BILL	5W
>	>	0256	WA5REJ	559	TX	AL	5W
>	>	0258	W2XN	339	FL	FRED	5W
>	>	0300	WS4S	569	TN	CONARD	5W
>	>	0301	KJ0C	559	MO	JIM	5W
>	>	0301	K4BYF	559	FL	JACK	5W
>	>	0302	N10DL	559	NH	ART	5W
>	>	0303	AC5JH	559	OK	TOM	5W
>	>	0304	NK7M	559	AZ	BOB	5W
>	>	0305	W1HUE	559	ID	LARRY	5W
>	>	0305	VE6EX	559	AB	DAN	5W
>	>	0306	NK6A	559	CA	DON	5W
>	>	0308	K7FD	559	OR	JOHN	5W
>	>	0309	K6VNX	559	CA	ARLEN	5W
>	>	0310	AA7XA	579	OR	FRANK	5W
>	>	0311	K7TQ	559	ID	RANDY	5W
>	>	0312	AD6JV	559	CA	BILL	5W
>	>	0313	N5IB	559	LA	JIM	5W
>	>	0313	K5DW	559	TX	DON	5W

>	>	0314	K0PC/M	599	MN	PAT	1W
>	>	0315	K5JS	559	LA	JOHN	2W
>	>	0316	N4VM	559	TN	BRYN	100W
>	>	0317	N3YSI	559	PA	PAUL	3W
>	>	0317	KD7CTF	559	OR	LEE	5W
>	>	0318	AF4LQ	579	KY	MIKE	5W
>	>	0319	NU8S	559	OH	DENNIS	2W
>	>	0320	N4JIU	559	TX	BRUCE	5W
>	>	0321	N1TP	559	FL	TOM	5W
>	>	0322	N1LN	559	TX	BRUCE	5W
>	>	0322	N0DSP	559	CO	TOM	5W
>	>	0324	W3ERU	559	MD	WES	5W
>	>	0325	KE6RS	559	CA	RON	5W
>	>	0326	K10J	559	TX	OJ	5W
>	>	0327	AD2A	559	NJ	DAVID	5W
>	>	0328	AB0GO	559	CO	DAVE	5W
>	>	0329	XA5T	599	XE	PABLO	5W
>	>	0332	K5NZ	559	TX	MIKE	5W
>	>	0333	N5TU	599	TX	EARL	5W
>	>	0337	WA3WAW	559	PA	BERT	5W
>	>	0341	W6ABC	559	CA	JACK	5W
>	>	0342	W9UQB	559	AZ	MIKE	5W
>	>	0343	K8CV	559	FL	WALT	5W
>	>	0344	W3SMK	559	NJ	STEVE	5W
>	>	0344	N0AR	559	MN	SCOTT	5W
>	>	0345	N5OHL	559	OK	JIM	5W
>	>	0351	WV9N	559	OH	RANDY	5W
>	>	0352	W0UFO	559	MN	MERT	5W
>	>	0356	W9JOP/4	559	VA	BOB	350MW
>	>	0359	AA0ZZ	559	MN	CRAIG	5W
>	>	0400	N0UR	599	MN	FOX	5W

> >

> >

>

>

>

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Date: Mon, 19 Feb 2001 06:59:38 -0600
From: "John Burnley" <burnleyia@home.com>
To: <qrp-1@lehigh.edu>
Subject: [92056] OT: Any QRP'ers in the Long Beach, CA area?
Message-ID: <000301c09a73\$d1042440\$1b790818@c149552-a.west1.ia.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'll be in Long Beach attending a conference February
25 - March 2, 2001. Any QRP'ers in the area or anyone
know of any goodie places that I should arrange my
schedule to visit?

72, John NU0V

Date: Mon, 19 Feb 2001 08:24:42 -0500 (EST)
From: "John L. Sielke" <w2agn@pobox.com>
To: qrp-1@lehigh.edu, tentec@qth.net
Subject: [92057] Manual for Argonaut II?
Message-ID: <XFMail.010219082442.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Just acquired an Argonaut II (535), without manual. Would anyone be able to
copy the manual and send it to me. I will, of course, be glad (in fact insist)
to pay.

John W2AGN

Date: Mon, 19 Feb 2001 08:36:12 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [92058] Fw: [qrpp] Contest results !!!!
Message-ID: <002101c09a78\$d48d420\$25191842@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: <n2jnz@yahoo.com>

To: <qrpp@yahooogroups.com>

Sent: Monday, February 19, 2001 8:26 AM

Subject: [qrpp] Contest results !!!!

> Hello Jim and the gang !!!!

>

>

> Well, I did ok I guess

>

> SINGLE BAND (10 METERS)

>

> 152 QSOS 53 MULTIPLIERS = 24168 PTS

>

> Power was 500 mw (except for JY9NX , 800 MW , V73ZZ 700 MW and

> JF1SQC 700 MW)

>

> HIGHLIGHTS

>

> D68C ... 500 MW

> TA2BK .. 500 MW

> JY9NX .. 800 MW

> V73ZZ .. 700 MW

> VK4EMM ..500 MW

>

> and last but not least KL7AC running 5 watts , worked him with

> 500 mw !!!!

>

> I had a GREAT time !!! And congrats too all of the group who

> participated !!!

>

> 73s

>

> George , N2JNZ/QRPP

>

>

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> To unsubscribe from this group, send an email to:

> qrpp-unsubscribe@egroups.com

>
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>

Date: Mon, 19 Feb 2001 08:22:36 -0500
From: John G Weber <jgweber2@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [92059] Re: QRP-L digest 2102
Message-ID: <20010219.090211.-77741.0.jgweber2@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Keith,

I am running a TS440 which works OK with VOX keying on PSK. Have not had any problems with it. I did complete the serial port keying just in case I run into problems with the VOX, but after 6 months all is fine. Good luck.

John
AE4LZ

> I am about a week from (finally) getting a PSK-31 interface
> together, and
> after browsing a number of pages dedicated to such, I am wondering
> why
> the emphasis on the serial port PTT setup.
>
> I will be running a Kenwood TS-140S and would think that the VOX
> should
> key with the tones just fine. Is there something I am missing in
> the
> equation? Anybody been down that road and have comments pro or con?
>
> 72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen
> Swamp
> President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY
> Section
> My night light runs more power than my Rig!!!
> Replies - <mailto:wb2vuo@arrl.net>
> -----

Date: Mon, 19 Feb 2001 09:07:52 -0500

From: Bill Coleman <aa4lr@arrl.net>
To: <w2kj@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [92060] Re: Full Wave Loop
Message-ID: <1010119090752.JAB05132@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 2/16/01 9:41, Joe Trombino at w2kj@earthlink.net wrote:

>Is there a hard and fast way to determine the size of a full
>wave loop that most folks can agree upon??

Length (in feet) = 1005 / f -- f in MHz.

The nice thing is the length isn't terribly critical.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Mon, 19 Feb 2001 09:17:36 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [92061] Ran into a problem D68C
Message-ID: <000d01c09a7e\$b5831f40\$25191842@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All !!!

Ran into a small problem

Worked D68C in the test heard him come back with my call but the
test QSO is not in the log even though it is within the dates listed for the
log update Have they put the contest logs on yet ????

73s
George N2JNZ/QRPP

Date: Mon, 19 Feb 2001 09:56:19 -0500
From: "Everhart, Joseph @ CSE" <jeverhar@mail.cse.l-3com.com>
To: "'njqrp@njqrp.org'" <njqrp@njqrp.org>
Cc: "'qrpl'" <qrpl@lehigh.edu>
Subject: [92062] NJQRP meeting Sat Feb 24
Message-ID: <038850B3A7FAD411B8C800B0D049DE956489BC@l3c-xchg-cse.mail.cse.l-3com.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Gang,

Our next NJ-QRP meeting will be this coming Saturday, February 24th, starting at 9:00am. The location will be at our regular "indoor" location: the upper level of the food court at the Forrestal Village Mall. (See directions below.)

We'll be having a good ol' fashioned classic NJQRP meeting this time .. showing of equipment and trading stories! We'll have some updates on Atlanticon and some coordination with the kitting volunteers for the next round of the Warbler project.

Bring along anything you want for show and tell or advice on making it play. Come out and enjoy and socialize with all the NJQRP gang. And, in our usual tradition, if you have extra parts you want to share with the group bring them along, too.

Oh yeah, Ken N2CQ found a neat listing of stores at the Forrestal Village ... it's a great place to bring your Significant Other for some browsing around while we're playing with our radios together. Click here to see a quick snapshot of what's available.

See this announcement and driving directions with maps (!) at:

<http://www.njqrp.org/meetings/nextmeeting.html>

See you there!

Joe N2CX and George, N2APB

for the NJQRP club

Date: Mon, 19 Feb 2001 10:13:47 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [92063] RE: Newbie PSK-31 Question
Message-ID: <20010219.101456.-261057.1.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Keith ask . . . RE PTT . . .
>>Anybody been down that road and have comments pro or con?

Yes, I have been there . . .

'key from the PC seral port is the MOST DANGEROUS.

In order to protect most solid state radios form possible death
you must use a RS-232 to TTL interface.

Most PCs output RS-232 from their seral ports.
RS-232 is usually greater than (+ AND -) six Volts.

Most radios only want to see a closure to chassis ground
at the PTT port. That port input is usually via a TTL (or equivalent)
"gate".

Anything more negative than 0.6 Volts OR
anything greater than plus five Volts will kill a TTL gate
unless additional protection is provided, an interface.

The 232 to TTL interface is very simple . . .
an open collector circuit using a 2n2222 (or equivalent),
a diode 1n4148, and a couple resistors.
NOTE . . . NO power supply is required
for an open collector interface circuit.

VOX works great too, problems noted are . . .
Some radios do not have VOX capability at the
accessory port connector (only the MIKE port).
If you use the MIKE port on ANY
radio for PSK tones an attenuator is 'recommended.

Another VOX problem seen . . .
VOX DELAY can be too great (even at MIN setting).
The first character of some words will be lost

if you type like I do and can not stay ahead of the buffer.

PTT Option Three, a simple dry contact SPST switch,
simply short the ACC PTT pin (TTL gate) to chassis
ground when ready to XMIT.

? simple duh me,
I use option 3,
>>poet and don't knowit<<UGH!

PSK-31 is an
o u t s t a n d i n g
WEAK SIGNAL (qrp)
NON INTRUSIVE mode.

73,
John
N3AAZ
FM 19 xa

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 19 Feb 2001 10:24:57 -0500 (EST)
From: "John L. Sielke" <w2agn@pobox.com>
To: Bill Coleman <aa4lr@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [92064] Re: Full Wave Loop
Message-ID: <XFMail.010219102457.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Especially if you feed it with open wire and a tuner.

John W2AGN (Still using an old KW Matchbox, 20 times the size of the rig!)

On 19-Feb-01 Bill Coleman wrote:
> Length (in feet) = 1005 / f -- f in MHz.

>
> The nice thing is the length isn't terribly critical.
>
>

Date: Mon, 19 Feb 2001 09:43:59 -0600
From: Gene Backlin <gbacklin@pros.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: gbacklin@MariZack.com
Subject: [92065] Re: WB9MII Contest Results so far
Message-ID: <200102191543.JAA02302@rhea.pros.com>
Mime-Version: 1.0 (Apple Message framework v106)
Content-Type: text/enriched; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

<fontfamily><param>Helvetica</param>I agree with the time to reply =
issue. I worked the contest with my MFJ9020 and the 'Small wonder" =
indoor antenna as well as my Kenwood TS-570D and an outdoor wire dipole. =
Both at 5 Watts and my trusty J38's. I counted the time between CQ's and =
at the most it was 2-3 seconds. I did make a number of contacts with =
those who actually took the time to listen. I did find it quite =
entertaining to see that the time it took for the callsign recognition =
at the button speeds (between ? and AGN) could have been avoided by just =
a little patience. I realize the avid contestor and point totals, but I =
am still a point also and the contacts that I did make, around 90% did =
not ask me to repeat my exchange info due to low power or conditions.

All together a very energizing contest. It still amazes me what can be =
done with the simple things in life.

72/73 ES TNX to all who took the time to listen.

Gene

KB9RNM

Begin forwarded message:

<bold><flushleft>From: </flushleft></bold>WB9MII@aol.com

<bold>Date: </bold>2001-02-18 03:11:39 -0600

<bold>To: </bold>"Low Power Amateur Radio Discussion" =
<<qrp-l@lehigh.edu>

<bold>Subject: </bold>WB9MII Contest Results so far

<bold>X-Origpt: </bold>rfc822;qrp-l@listserv.cc.lehigh.edu

<bold>X-Listprocessor-Version: </bold>8.1 beta -- ListProcessor(tm) by =
CREN

<bold>X-Mailer: </bold>AOL 5.0 for Windows sub 128

<bold>X-To: </bold>qrp-l@lehigh.edu

With an MFj9020 and an indoor homebrew Joystick near a window and worked=20=

against a "counterpoise" on the floor I ave been doing pretty well. Only =
real=20

problem is the big guns who are busy hitting their CQ buttons on their=20=

megadollar keyers and not bothering to listen for replies. lid is as lid=20=

does. Will hit 20 another lick at sunup and mebbe see what I can get.

73

Greg WB9MII

Date: Mon, 19 Feb 2001 09:10:15 -0500
From: Joseph Mikuckis <k3chp@erols.com>
To: qrp-l@lehigh.edu
Subject: [92066] ARRL DX Contest
Message-ID: <3A912947.55E6@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Started out with 100 watts (just to give my rig a good workout). Later

reduced power to 50 watts, and still later to 30 watts. Finally to 5 watts. It made no difference! I worked every station heard! All bands were wide open most of the time despite of solar storm predictions. Worked lots and lots of countries but unfortunately no new ones.

Joe, K3CHP
Riverdale, MD

Date: Mon, 19 Feb 2001 07:58:01 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [92067] Re: Ran into a problem D68C
Message-ID: <20010219155801.40226.qmail@web10003.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- George Osier <gosier@twcnny.rr.com> wrote:
> Worked D68C in the test heard him come back with my call
> but the
> test QS0 is not in the log even though it is within the dates listed
> for the
> log update Have they put the contest logs on yet ????

Mine isn't in the log either. They probably are just behind. I hope that is.

Jeff

=====
AB6MB
NorCal QRP Club #65, QRP-L #1780, ARCI 10071
Radical FIST Member 6798

Do You Yahoo!?
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a year! <http://personal.mail.yahoo.com/>

Date: Mon, 19 Feb 2001 07:56:14 -0800
From: "K7FD N7SG" <cqdx@teleport.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>

Cc: <elecraft@qth.net>
Subject: [92068] ARRL 'test
Message-ID: <001a01c09a8c\$7dcc16c0\$95231ad8@N7SG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Filled pages and pages of logs here... conditions were as good as I've heard 'em, especially 10m and 15m Sunday morning.

K2 worked flawlessly...

John at K7Low
K2 & 3 el quad

Date: Mon, 19 Feb 2001 11:08:18 -0500
From: "John Pate" <lighthousedx@hotmail.com>
To: qrp-l@Lehigh.edu
Subject: [92069] Trade: MFJ 9406
Message-ID: <F146u1Wy9eabpAprqFp0000e70e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I have a MFJ 9406 that I would like to trade for a MFJ 9420 or 9440. Let me know what you got. Thanks

John Pate
KB4UTV
Amateur Radio Lighthouse Society #182

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Mon, 19 Feb 2001 08:09:06 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [92070] ARRL DX Test
Message-ID: <20010219160906.41951.qmail@web10003.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Went new country hunting during the ARRL CW DX contest. Picked up 11 new countries to bring my total up to 39. Just relaxed and had fun trying to work new ones. Checked DX summit online from time to time to find out where they were. Also to verify some of the calls I worked. It's hooked up to the packet DX spotting network and refreshes every minute. Also has the latest sunspot, K and A info. Nice site and here's the URL if anyone is interested.

<http://www.dxsummit.com>

Most of the CW speeds were reasonable and I could copy them fairly easily. Some of those op's were deaf though. It seemed that they sent their call over and over and didn't work anyone for long stretches. Maybe they should have took time to listen?

The rig I used was my Icom 735 turned down to 3 watts. Antenna was a shortened G5RV (10-40 meters) 52 feet wire and 17 feet of ladder line in a inverted vee at 30 feet. Found that my 500hz CW filter was really useful.

Just had a lot of fun!

Jeff

=====

AB6MB

NorCal QRP Club #65, QRP-L #1780, ARCI 10071

Radical FIST Member 6798

Do You Yahoo!?

Get personalized email addresses from Yahoo! Mail - only \$35 a year! <http://personal.mail.yahoo.com/>

Date: Mon, 19 Feb 2001 10:10:17 -0600

From: "Tom Whiteside" <n5tw@igg-tx.net>

To: <qrp-l@Lehigh.EDU>

Subject: [92071] Fox - N5TW is served tomorrow Purina Pals!

Message-ID: <007201c09a8e\$7395bb00\$381701cc@g517v>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Well, I'm sleepy and drugged feeling this morning from a long weekend of serious team contesting in the ARRL DX contest - definitely not QRP but we did manage to work an Israeli running 100mW in the contest... By the way, K4FB joined us Saturday and did a fine job - thanks Paul!

Ok - so I will be there and rested tomorrow - Tuesday Feb 20th at 8PM CST
(Feb 21 at 0200Z) usual Bat time usual Bat channel... Will nominally be
7040 listening up. Come join the fun!

For reference, will be using a Yaesu FT1000D running 5W to 2 phased 2
element Cushcraft beams at 80 and 130 feet.

Tom Whiteside
N5TW Georgetown, TX

Date: Mon, 19 Feb 2001 11:11:16 -0500
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: qrp-1@lehigh.edu
Subject: [92072] IA QRP-10 Building Contest
Message-ID: <5.0.0.25.1.20010219110205.00a1a920@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

The last two parts (13 and 14) of my IA QRP-10 construction
and notes are now posted on the NorCal web page. With these
two section completed, I'm done with my rig.

The URL is: <http://www.fix.net/~jparker/norcal/iowa10/qrp10.htm>

A special thanks to Jerry Parker, WA6OWR for all his efforts translating
the text I sent him to HTML, formatting the pictures, and getting
everything in proper order for viewing.

This has been a fun project, and a great learning experience for
me, as all projects are. If you have not visited the site, I urge
you to do so. Lots of good info there I believe.

72 to all, and thanks for the support and nice comments along
the way.

Jim, K8IQY

Date: Mon, 19 Feb 2001 11:30:51 -0800
From: "GARY McCAUGHEY" <MAIL4GARY@worldnet.att.net>
To: <qrp-1@lehigh.edu>
Subject: [92073] [Atlanticon] Rooms Almost Gone!!
Message-ID: <001101c09aaa\$7be077c0\$08dd4d0c@garymcca>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Monday Morning at 1130 hours

For all who are interested. Just got off the phone with the
Holiday Inn Select in Baltimore, site of Atlanticon 2001.
Only two rooms left on Friday night.

That is what they told me - your mileage may vary.

Guess there will be a whole bunch of people this year!!

Gary
W2UX
Lexington, SC

CW is the REAL THING, USE IT or LOSE IT!

Date: Mon, 19 Feb 2001 11:38:01 -0500
From: "Brian" <bmmurray@amexol.net>
To: <fantbb@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [92074] Re: ARRL DX Test
Message-ID: <002401c09a92\$53882d30\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Most of the CW speeds were reasonable and I could copy them fairly
> easily. Some of those op's were deaf though. It seemed that they sent
> their call over and over and didn't work anyone for long stretches.
> Maybe they should have took time to listen?

I think that maybe, especially in crowded areas, the ops had their narrowest
filters engaged. The fox hunts helped me tremendously. I would listen more
to the station they were WORKING and then move up or down to that freq and
then send my call. Worked about 98% of the time.

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

Date: Mon, 19 Feb 2001 16:39:59
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [92075] Re: Beacon Keyer Help???
Message-ID: <F102pDS7hx27kBnccYT00005401@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Fred Lesnick (flesnick@tbaytel.net) wrote:

>I wonder if anyone has any plans for a low current draw
>memory keyer that can be used for a beacon?...

There are all kinds of these kicking around. Probably the simplest (and cheapest) would be to burn the bit patterns in to a PIC and let it tap the dits and dahs out for you.

A PIC 16F84 will draw less than 1 mA at a slow clock rate (I've measured 700 uA with 455 kHz clock), and if you go really slow (e.g. 32 kHz) you're down in the tens of microamps. This is solar-cell-plus-big-capacitor territory.

A memory keyer would seem overkill for such an application...

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
ICBM: 49 15.042 N 122 59.053 W - Hospital/Shafte

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Date: Mon, 19 Feb 2001 11:45:33 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [92076] Re: Ran into a problem D68C
Message-ID: <002701c09a93\$61b202e0\$010044c0@baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Their web page says that they mail the logs, so I would expect to take a little while to get them up. I didn't check when I was there because (as of last night) it was obvious they wouldn't be, and from reading their text, I sort of suspected a couple of days. This in spite of all their bragging about their super logging network. To be fair, tho, I suspect their connection to the Internet isn't all that great. I wouldn't expect a T3 going to an island that, under normal circumstances, has no transmitters.

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "George Osier" <gosier@twcnny.rr.com>
Subject: Ran into a problem D68C

> Worked D68C in the test heard him come back with my call but the
> test QSO is not in the log even though it is within the dates listed for
the
> log update Have they put the contest logs on yet ????

Date: Mon, 19 Feb 2001 17:35:53
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [92077] Re: Newbie PSK-31 Question
Message-ID: <F2360G5AB9JnGCJ006E0001101f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Keith WB2VU0 asked:

>I am about a week from (finally) getting a PSK-31
>interface together, and after browsing a number of

>pages dedicated to such, I am wondering why the
>emphasis on the serial port PTT setup...

It all depends on what comes out of the sound card. In particular, what *else*, other than PSK31 noises, comes out? The radio won't care: it will key for OS-generated bleeps and blips, and it will key for input audio being echoed to the output. You might be able to tweak anti-VOX settings, but it ends up being easier to just plug in to a serial port.

Serial port usage is convenient, but there's nothing sacred about it. Parallel ports are easy to use, but tend to be in short supply. It could be simple to make an ISA card that did the same thing - a programmable latch with some transmitter control outputs.

A PCI card to do the same thing is another matter...

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
ICBM: 49 15.042 N 122 59.053 W - Hospital/Shafte

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Date: Mon, 19 Feb 2001 12:46:14 -0500
From: "Tony Fegan VE3QF" <ve3qf@rac.ca>
To: <aa4lr@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [92078] RE: Full Wave Loop
Message-ID: <LNBBKKB00JGKHIGEKKIJEEBHDFAA.ve3qf@rac.ca>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This formula works fine for square vertical loops as low as 1/8th wavelength above ground at the corner feed point. This assumes that it is constructed of bare or enameled wire and that the insulation supports at the voltage nodes (1/4th wavelength from feed point) are low loss and in the clear. The length will be considerably reduced due to its velocity factor if plastic coated wire is used. I have never noticed any signal difference between using bare wire or plastic covered electrical wire cut to the correct length.

When the loop is in a horizontal configuration the formula holds good when the antenna is at least 1/2 wavelength high and in the clear. The impedance

at resonance, at the feed point should be about 125 ohms. A good match is to use a 1/4th wavelength (x velocity factor) of 75 ohm coax which should produce an impedance of 50 ohms. A choke at the antenna feed point will reduce currents on the outside of the coax. This can be accomplished by making a few turns in the 75 ohm matching section. If the antenna is directly fed via open wire feeder and a balanced tuner, then the dimensions are not critical and the antenna can be used on several bands.

73 and enjoy

Tony Fegan VE3QF

-----Original Message-----

]On Behalf Of Bill Coleman

Sent: Monday, February 19, 2001 9:08 AM

On 2/16/01 9:41, Joe Trombino at w2kj@earthlink.net wrote:

>Is there a hard and fast way to determine the size of a full
>wave loop that most folks can agree upon??

Length (in feet) = 1005 / f -- f in MHz.

The nice thing is the length isn't terribly critical.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net

Quote: "Not within a thousand years will man ever fly!"

-- Wilbur Wright, 1901

Date: Mon, 19 Feb 2001 10:19:03 -0800

From: Stephen M Smith <sigcom@juno.com>

To: tntjoe@qwest.net

Cc: qrp-l@Lehigh.EDU

Subject: [92079] Re: Rf Choke

Message-ID: <20010219.101904.-390555.3.sigcom@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Joe and group,

See Dr. Megacycle's article on the NorCal web site, item #5:

<http://www.fix.net/~jparker/norcal/features/bgnsant.html> .

I'm assuming that you're feeding your dipole with coaxial cable.

73.....Steve 'The Scrounger' Smith
WB6TNL Oxnard, CA USA
"snort rosin"

On Mon, 19 Feb 2001 02:00:59 -0700 "Tntjoe" <tntjoe@qwest.net> writes:

> Hi Gang
> I would like some info on how to build a RF Choke for my 20 meter
> dipole
> any web site that I can look at and get a idea on size and how many
> turns
> Tnx 73
>

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 19 Feb 2001 12:20:11 -0800
From: "Jim Crooke" <crooke@prodigy.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [92080] Argonaut 509
Message-ID: <007f01c09ab1\$5de8ca40\$0101a8c0@workstation1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings,

I've just acquired a 509 from a fellow that indicated the rig was in very well cared for condition. His definition and mine are different. It is cleaning up well enough but the receiver front end is awfully weak. I suspect some FET damage at least. Sending it back to TenTec is proably going to cost more than it is worth, so I need to decide to fix it myself or let someone else have a go at it. There is no manual with it so I will need to order one. I am looking for suggestions, tips and hints on fixing it, or, someone to buy it.

I'm not really in a big hurry, as I've got plenty of rigs, but it would be nice to have the old thing working well.

TIA

Jim KJ0C
Springfield, MO

Date: Mon, 19 Feb 2001 10:25:06 -0800
From: "W7TRX" <w7trx@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <Xtalradio@aol.com>
Subject: [92081] ZL-W 10,000km Pedestrian-to-Pedestrian SSB 18FEB2001
Message-ID: <002501c09aa1\$49bcd60\$312279a5@dell>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I wanted to share a recent accomplishment by members from the HFpack group. This past weekend an attempt was made to communicate between California and New Zealand. To qualify, the participants would only be using gear they could carry on their backs or hold in their hands. The recipe for fun and challenge included, low power (5 and 20 watts), neat rigs (Ft-817, VX-1200), and homebrew portable antennas. As if this wasn't enough, the weather on the California coast was ugly. While these folks slugged it out with the weather and the gods of propagation, I was in my warm, dry, shack. Listening carefully. Picking out little pieces of the message. Trying to complete the puzzle. Straining and listening through the noise. Silently cheering for their success.

This achievement has me brainstorming my "ultimate" HFpack setup.

Below is a brief summary, in the words of a primary participant, Bonnie KQ6XA

72, Tracy
W7TRX

ZL to W; Pedestrian Mobile to Pedestrian Mobile (PM/PM)

The schedule started with a good size group of HFpackers gathering and talking on the 15 meter HFpack frequency (21.437). California was hit hard with pounding rain and cold winds, making the outdoor activity an interesting experience! Budd W3FF/PM was suffering from a high noise level, but I could hear his 50 watt walking portable Q5 (250 miles away).

Many thanks to all the stations that helped during the fading and QRP signals to hold the frequency and keep us going (W5EJ, N5YYX, W7TRX, W7RR, and the rest of the HFpack gang).

After an hour or so of trying, Budd was totally drenched and had way too much QRN to pull a signal out. I had a short break after the 12m sked, so I hiked back to get out of the hail and wind, then dried off in my car for a few minutes before going back out on the trail HF-packing and calling with my sopping wet speaker-mic and J-38 key.

As soon as I turned on the mobile rig in the car, there was Max calling from his car mobile also on 15m, about Q-4. He had been hearing Budd and Me with our HF packs on his FT-817/whip for quite a while calling him. We had only Q1 reception on him, not enough for an exchange yet.

Max and I talked car-to-car mobile for a few minutes, then he suggested 10m. Ten meters was a little better, with Q5 copy, but lots of deep QSB. After quite a while, the signals came up, so we decided to try the HF packs again.

A few minutes later, walking around with our pedestrian mobile rigs, we made solid contact. Sure enough, perfect Q5 copy both ways on CW while standing there on the hillside... Sideband was only about Q3, but we managed to ride the peaks of the QSB waves to exchange reports. All of a sudden, once it dawned on us, there was a lot of laughter and whooping going out over 6500 miles of ocean...

Persistence paid off today when our scheduled first attempt at a PM/PM QSO from New Zealand to USA resulted in success.

The details:

ZL1BK/Pedestrian Mobile -to- KQ6XA/Pedestrian Mobile
Date 18 FEB 2001

Time 02:14 UTC to 02:25 UTC
Freq 28337kHz Mode CW and USB
Sigs 539 CW / 33 USB
Approximate Great Circle distance = 6500 miles (10460km)

KQ6XA/PM (near San Mateo, California USA)
20 Watts
Antenna (6.5m) Whip (fishing pole mounted on pack frame)
Dragging (3m) Counterpoise

ZL1BK/PM (near Auckland, New Zealand)
5Watts (FT-817)
Antenna (1.8m) Whip (homebrew side-mounted on FT-817)
Dragging (3m) Counterpoise

Special thanks to Max ZL1BK and Budd W3FF for making this happen!
For more information and photos of the gear:
<http://groups.yahoo.com/group/hfpack/join>

73---Bonnie KQ6XA

Date: Mon, 19 Feb 2001 13:40:38 -0500
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [92082] Re. Full wave loop length
Message-ID: <5.0.2.1.0.20010219110407.00a5bd30@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

During the DX contest I was "reading the mail" on 40 and heard W8DAN testing a new loop. We had a long QSO right in the midst of the contest and he was 20 over 9 the whole time with 50 watts. This was from Xenia OH to about 30 miles south of Lexington Ky....I'm guessing about 200 miles. He said the total length of his loop was 142 feet which would be close to 1000ft/f.

I hesitated to post this because other folks have listed longer lengths but since I was so impressed with the signal strength I decided to toss this in for discussion.

It was interesting in that I was running 5 watts to a 1/2 wave vertical and he switched to his vertical while receiving and my signal dropped about 10 db.

He said he was using coax feed and it looked like a horizontal stop sign . I did not ask him about height above ground.

I think this would be in agreement with Tony VE3QF 's comments and the antenna handbook.

It looks like a fun antenna project when the wx gets a bit warmer.
73 to all
Pete NV4V Ky.

Date: Mon, 19 Feb 2001 19:05:01 +0000
From: Larry S Cahoon <wd3p@juno.com>
To: qrpp@egroups.com, epaqrp-1@Lehigh.EDU, qrp-1@Lehigh.EDU
Subject: [92083] D68C 500 mWatts with the K2
Message-ID: <20010219.190509.-426239.1.wd3p@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Celebration time. I picked up D68C on 12 meters with an untuned 40/80
meter dipole with the K2 set at 500 mWatts.

73 de Larry.....WD3P in MD
<http://www.qsl.net/wd3p>

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 19 Feb 2001 18:16:23 +0000
From: Larry S Cahoon <wd3p@juno.com>
To: bmurrey@amexol.net
Cc: qrp-1@Lehigh.EDU
Subject: [92084] Re: ARRL DX Test
Message-ID: <20010219.190509.-426239.0.wd3p@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

On Mon, 19 Feb 2001 11:38:01 -0500 "Brian" <bmurrey@amexol.net> writes:
>
>
> I think that maybe, especially in crowded areas, the ops had their
> narrowest
> filters engaged. The fox hunts helped me tremendously. I would
> listen more

> to the station they were WORKING and then move up or down to that
> freq and
> then send my call. Worked about 98% of the time.
>
>

I found by moving around a bit it helped get more of them. But what I have also seen a lot in the contests is a bit of carelessness in zero beating the other fellow. In the rush to get someone that becomes time wasted. When you are running a KW or even 100 Watts you can be a bit off and the other guy will hear you if you are close. A lot of the big guns run with filters wide open if they can just for that reason. If you run a frequency in the contests you notice it a lot more often.

73 de Larry.....WD3P in MD

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 19 Feb 2001 12:37:21 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.EDU>
Subject: [92085] Shack Cleaning
Message-ID: <000d01c09aab\$61319b60\$60df070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have for sale MFJ 9020with filter p[wr cord manual and MFJ 4114 rechargeable batter pack. no pwr cord or batteries but have the manual \$135.00 Palamar SWR/PWR meter model 827 with manual \$60.00 Icom 735 with electronic keyer installed manual mike pwr cord original box \$530.00 SArrl 1975 handbook \$15.00 16th edition Radio Handbook by W.I> Orr Fundamentals of Logic design 3rd edition Charles Roth Jr. \$15.00 Operational Amplifiers 2nd edition G.B.Clayton \$15.00 Looking to trade for a vibroplex model 120 paddles for electronic keyer KF7ET Cal 208 357 7431 or reply off the list Thank you All prices include shipping and insurance

Date: Mon, 19 Feb 2001 14:24:26 -0500
From: ed.kwik@delphiauto.com
To: qrp-l@Lehigh.EDU

Subject: [92086] Contest ARRL DX Contest summary
Message-ID: <052569F8.006AE747.00@usabhmg99.mail.delphiauto.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Sixteen hours total, eight on Saturday and eight on Sunday.

BAND	QSOs	POINTS	MULT'S
80	5	15	4
40	6	18	6
20	2	6	2
15	60	180	31
10	89	267	41

Score: 37824

Thought I had a shot at 100 Multi's but things got slow on 10 late Sunday and only made it to 84. Worked OT1T for my first QSO on 80. Got HC8N on 40. Got D68C and F05GU despite the pile ups thanks to all the FOX training. Missed HP1AC/QRP. I tried to break the pile up working Cam but I could not. I did work KL7AC with his 5 watts. I used my Triton at 5 watts and my 105 foot dipole.

Ed AB8DF

Date: Mon, 19 Feb 2001 14:48:00 EST
From: PDouglas12@aol.com
To: qrp-l@lehigh.edu
Subject: [92087] Atlanticon Rooms
Message-ID: <43.10de622e.27c2d270@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I just called the hotel, Holiday Inn Select, see NJQRP website for info, numbers to call at www.njqrp.org/atlanticon/index.html. They have one double bedded room left in non smoking. Several king rooms and several king smoking rooms left. Call if you mean to go!

72,

Preston WJ2V

Date: Mon, 19 Feb 2001 15:02:25 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [92088] re: [Atlanticon] Rooms Almost Gone!!
Message-ID: <00db01c09aae\$e423c3b0\$d55daccf@ghlpt4>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I don't know how true this really is, but I'd guess we're getting close to sleeping room capacity anyway.

If you miss out on getting a sleeping room there on Friday and Saturday (due to high number of hamfesters also staying there), check out the link for "area hotels" at the site of the Greater Baltimore Computerfest and Hamboree (GBHC), whose link is listed on our Atlanticon page (<http://www.njqrp.org/atlanticon>)

There are many hotels within easy driving distance of our Atlanticon base of operations.

73, George N2APB
n2apb@amsat.org

PS: I had reserved 150 rooms for each night in the "Atlanticon block of rooms". Other rooms are likely available at the hotel "outside" the blocked off number of rooms ... may not get the advertised price break that the early reservations get.

=====

For all who are interested. Just got off the phone with the Holiday Inn Select in Baltimore, site of Atlanticon 2001. Only two rooms left on Friday night.

That is what they told me - your mileage may vary.

Guess there will be a whole bunch of people this year!!

Gary
W2UX

Date: Mon, 19 Feb 2001 14:47:24 -0500
From: ed.kwik@delphiauto.com
To: qrp-1@Lehigh.EDU
Subject: [92089] QRP Dupe
Message-ID: <052569F8.006CDC3C.00@usabhmg99.mail.delphiauto.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I used QRP Dupe for the DX contest and I have a couple of questions. How do you enter the power for the KW stations? The field does not except KW or 1000. I used 000 and plan to edit the file to 1000 before I send it in. I messed up a few QSOs and wanted to delete them. I went into the edit mode but I just could not delete a QSO. I could edit the fields OK but could not delete them. My summary sheet and final score had to be redone by hand. What's the secret?

Ed AB8DF

Date: Mon, 19 Feb 2001 20:14:48 +0000
From: Paul Brice-Stevens <paul@g0wat.demon.co.uk>
To: qrp-1@lehigh.edu
Subject: [92090] Re: Ran into a problem D68C
Message-ID: <61bkwmA46Xk6EwEf@g0wat.demon.co.uk>
MIME-Version: 1.0

Gents,

I would wait a day or so as they have had intermittent problems getting the logs off of the Island by e-mail...I would check back on the Web Site in a day or so...also G3ZAY mentioned that the U.S. based Log server may be slightly behind as the kind hearted fellows running the service were taking part in the ARRL DX test this weekend.

Hope this helps

Paul
G0WAT

CDXC/G-QRP etc etc...

>----- Original Message -----

>From: "George Osier" <gosier@twcnny.rr.com>

>Subject: Ran into a problem D68C

>

>

>> Worked D68C in the test heard him come back with my call but the
>> test QSO is not in the log even though it is within the dates listed for
>the

>> log update Have they put the contest logs on yet ????

>

>

--

Paul Brice-Stevens

Date: Mon, 19 Feb 2001 16:02:05 -0500

From: Smith Harold <SmithH@tce.com>

To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>

Subject: [92091] antenna advice?

Message-ID: <7B26BF606DF1D411864D00508BF3738D023F1B@indyexch4.indy.tce.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

I will be moving this summer to a newly built house, which, as most newly built houses do, has a no-antenna clause in the CC&Rs. (It was my wife's turn to pick the house.:-)) So I will be stuck with an indoor antenna. I expect to put a doublet in the attic, center fed with balanced line, and I will try to use it on as many hf bands as I can tune it up on. I will be using a balanced tuner. The antenna will run with the roof peak, and will be about 16 feet above ground level. The attic is about 58 feet long. Now my questions:

Would there be any advantage to making the antenna of material heavier than 12 gauge wire? For instance, copper tubing, or perhaps a cage arrangement?

Would it be worth while to add a bit of length on the ends, hanging down, to get the length closer to a halfwave at 40 meters?

Is there an an advantage to using 450 ohm ladder line vs. good 300 ohm line, or should I try something else altogether? (I will have a conduit from the attic to the basement shack to ease getting the feedline installed.)

Finally, what kind of performance can I expect? Will I still be able to operate QRP, or will I have to go back to the 50-100 watt level to

communicate.

I'm asking these questions here because there seems to be a good number of helpful, knowledgeable folks who read this list, and antennas are not my specialty.

Thanks in advance for any help.

de KE6TI, Harold Smith

Date: Mon, 19 Feb 2001 13:47:31 -0700 (MST)
From: mugglesto@ecentral.com
To: qrp-l <qrp-l@lehigh.edu>
Subject: [92092] Hotel Antenna
Message-ID: <Pine.LNX.4.10.10102191343320.1938-100000@mugleston.mugs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Some time ago (could be years) someone on this list told of how they made a 30M antenna out of a 100 foot extension cord. The idea was you could check into the hotel and ask to borrow a 100 foot cord - they hotel has them for presentations etc and would send one right up.

I've been thinking about this - 100 feet is about a full loop (I think) were all three wires connected together on both ends and attached to both sides for the antenna jack or how was this done?

Was a tuner used?

Thanks

de KI00T, Brad

Date: Mon, 19 Feb 2001 16:22:13 -0500
From: "Brian" <bmurrey@amexol.net>
To: <SmithH@tce.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [92093] Re: antenna advice?
Message-ID: <000701c09aba\$073544e0\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My attic dipole is made out of 18 ga uninsulated strand wire. It's what was left over from a RS Shortwave antenna kit. My attic is 56 feet wide. I have a half wave 40m dipole and I bent the ends, not down, but to contour the slope of the roof. One bend goes East the other end goes west...I have no reason for this, it was just easier.

I feed it with RG8X coax of all things. I only run QRP. 450 Ohm ladderline would be better though, lots less lossy.

My 5w Ten Tec Scout and a tuner can tune the thing on 15, 20, 30, and 40m - I have never tried it on 80 or 10. My dipole runs E-W so I am radiating N-S. I hope you can get a N-S dipole so it radiates E-W. I think that would be better.

I have worked: Brazil, Peru, Cuba, Aruba, Hawaii, Alaska, Canada, Mexico, Lithuania, Slovenia, Czech Republic, Russia, Ukraine, Reunion Island, Belize, Italy, France, Spain, UK, Caymans, Virgins, Slovak Republic, and a few others.

I also have WAS with my 1.2 watt Norcal 40A and this antenna. If you use wire, i think it would be easier to go back up at a later date and add a "fan" for other freqs. Or, make up a trapped 4 or 5 band dipole and hang it up there.

I have also worked 11 states on a SMK-1 at 200mW or so. Best DX being Mobile Alabama.

If you need help, just yell. I'm near Indy.

72 de KB9BVN

----- Original Message -----

From: "Smith Harold" <SmithH@tce.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, February 19, 2001 4:02 PM

Subject: antenna advice?

> I will be moving this summer to a newly built house, which, as most newly
> built houses do, has a no-antenna clause in the CC&Rs. (It was my wife's
> turn to pick the house.:-)) So I will be stuck with an indoor antenna.
I

> expect to put a doublet in the attic, center fed with balanced line, and I
> will try to use it on as many hf bands as I can tune it up on. I will be

> using a balanced tuner. The antenna will run with the roof peak, and will
> be about 16 feet above ground level. The attic is about 58 feet long.

Now

> my questions:

>

> Would there be any advantage to making the antenna of material heavier
than

> 12 gauge wire? For instance, copper tubing, or perhaps a cage
arrangement?

>

> Would it be worth while to add a bit of length on the ends, hanging down,
to

> get the length closer to a halfwave at 40 meters?

>

> Is there an an advantage to using 450 ohm ladder line vs. good 300 ohm
line,

> or should I try something else altogether? (I will have a conduit from
the

> attic to the basement shack to ease getting the feedline installed.)

>

> Finally, what kind of performance can I expect? Will I still be able to

> operate QRP, or will I have to go back to the 50-100 watt level to

> communicate.

>

> I'm asking these questions here because there seems to be a good number of

> helpful, knowledgeable folks who read this list, and antennas are not my

> specialty.

>

> Thanks in advance for any help.

>

> de KE6TI, Harold Smith

>

Date: Sun, 18 Feb 2001 16:30:16 -0500

From: "ZOOM" <kandrparker@sympatico.ca>

To: <n3aaz-qrp@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [92094] Re: Newbie PSK-31 Question

Message-ID: <003c01c099f1\$fcc7e260\$39cdfea9@einstein>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Just use optic isolators and you won't have to go to extremes. The port and
radio are protected this way! If your worried your not at 5V then use a 5V

regulator but I think it's overkill!

Regards,
Robert
VE3RPF

----- Original Message -----

From: "John R Kirby" <n3aaz-qrp@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, February 19, 2001 10:13 AM
Subject: RE: Newbie PSK-31 Question

>
> Keith ask . . . RE PTT . . .
> >>Anybody been down that road and have comments pro or con?
>
> Yes, I have been there . . .
>
> 'key from the PC seral port is the MOST DANGEROUS.
>
> In order to protect most solid state radios form possible death
> you must use a RS-232 to TTL interface.
>
> Most PCs output RS-232 from their seral ports.
> RS-232 is usually greater than (+ AND -) six Volts.
>
> Most radios only want to see a closure to chassis ground
> at the PTT port. That port input is usually via a TTL (or equivalent)
> "gate".
>
> Anything more negative than 0.6 Volts OR
> anything greater than plus five Volts will kill a TTL gate
> unless additional protection is provided, an interface.
>
> The 232 to TTL interface is very simple . . .
> an open collector circuit using a 2n2222 (or equivalent),
> a diode 1n4148, and a couple resistors.
> NOTE . . . NO power supply is required
> for an open collector interface circuit.
>
> VOX works great too, problems noted are . . .
> Some radios do not have VOX capability at the
> accessory port connector (only the MIKE port).
> If you use the MIKE port on ANY
> radio for PSK tones an attenuator is 'recommended.
>
> Another VOX problem seen . . .
> VOX DELAY can be too great (even at MIN setting).

> The first character of some words will be lost
> if you type like I do and can not stay ahead of the buffer.
>
> PTT Option Three, a simple dry contact SPST switch,
> simply short the ACC PTT pin (TTL gate) to chassis
> ground when ready to XMIT.
>
> ? simple duh me,
> I use option 3,
> >>poet and don't knowit<<UGH!
>
> PSK-31 is an
> o u t s t a n d i n g
> WEAK SIGNAL (qrp)
> NON INTRUSIVE mode.
>
> 73,
> John
> N3AAZ
> FM 19 xa
>
>
> -----
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> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.
>

Date: Mon, 19 Feb 2001 14:39:38 -0700
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: <SmithH@tce.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [92095] Re: antenna advice?
Message-ID: <OE16IDkMYCgp0rvIcIF00000a5a@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Harold,

You described what I have been using for 2 years. My flattop is abt
30ft, overall it is about 50 ft long. The ends trail down the roof
rafters something like this:

end view

```

      /\      ~20 ft elevation
     /\
    /\      ~15 ft elevation

```

top view

```

      +---+
      |
      |
      8  <- feed pt
      |
      +---+

```

It is feed with R/S low loss twinlead, the radiator is a scrap of AC zip cord. Overall I have about \$10 invested in the ANT and it works FB. I keep thinking I should change the feed line to ladder line. But the darn thing works so well I hate to mess with it. ;-)

It tunes fine 40 - 10 with my K2's internal tuner, or other rigs with an MFJ 949, no so hot (poor actually) on 80.

73, Rod N0RC
Ft Collins CO

----- Original Message -----

From: "Smith Harold" <SmithH@tce.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, February 19, 2001 02:02 PM
Subject: antenna advice?

> I will be moving this summer to a newly built house, which, as most newly
> built houses do, has a no-antenna clause in the CC&Rs. (It was my wife's
> turn to pick the house.:-)) So I will be stuck with an indoor antenna. I
> expect to put a doublet in the attic, center fed with balanced line, and I

Date: Mon, 19 Feb 2001 16:39:16 -0500
From: "Tim Sprouse" <n4cnu@home.com>
To: "QRP-L Reflector" <qrp-1@Lehigh.EDU>, "Larry KA5T Wise" <lewise@txwises.com>
Cc: "Gary KB2PQE Losee" <putska@juno.com>
Subject: [92096] RadioKit 2/01/01

Message-ID: <001901c09abc\$68c76100\$06a70a18@chstfld1.va.home.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

February 01/2001

From: Tim Sprouse

All good things must come to an end, (whew, thank goodness, relief at last), and so it is with the infamous RadioKit. I have been playing with the rig for over two weeks now and find it to be quite stable and drift free. I changed the power jack to a plastic cased mini phono, after I blew a fuse plugging in the external power supply. Also I started getting some oscillations on the MC1350P as I tuned through the area of about 7.21 MHz. This chip has a lot of gain and I suspected the 12 MHz IF was getting on the VCC so I soldered a 47 mf 63 volt electrolytic across the VCC input of the 7812 and ground and that fixed the problem. No particular reason for this value, practically anything from 10 mf to 100 mf would have worked nicely, I just happen to have this cap laying on the bench at the time. There are still two quirky little items left to be resolved. Neither one affects the operation of the rig, just little annoyances. One is the loud sidetone and the other is the tendency for the side tone to start off about 200 Hz lower in frequency and then swing up when the relay is first pulled in. While the relay is still pulled in the side tone stays the same. I checked it on the air and the transmit frequency is not pulling, but it appears to be on the receiver only. If any one has a fix for this, let me know and maybe at some later date I'll take care of it. In the mean time it's time to move on. Now where did I put that schematic for the pixie2, maybe if I modify the -----

PS; Thanks to all who were so generous in helping me with this project. Tim
N4CNU

Date: Mon, 19 Feb 2001 17:28:12 -0500

From: Bill Coleman <aa4lr@arrl.net>

To: <SmithH@tce.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [92097] Re: antenna advice?

Message-ID: <1010119172812.RAA16705@gate.iterated.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

On 2/19/01 4:02 PM, Smith Harold at SmithH@tce.com wrote:

>I will be moving this summer to a newly built house, which, as most newly
>built houses do, has a no-antenna clause in the CC&Rs.

Move. (00ops, he wasn't asking for advice....)

>The antenna will run with the roof peak, and will
>be about 16 feet above ground level. The attic is about 58 feet long. Now
>my questions:

>

>Would there be any advantage to making the antenna of material heavier than
>12 gauge wire? For instance, copper tubing, or perhaps a cage arrangement?

Larger tubing may reduce some losses, and may provide a broader
resonance. But the fundamental problem remains: the antenna is too low,
and inside a structure. I would think it isn't worth it.

>Would it be worth while to add a bit of length on the ends, hanging down, to
>get the length closer to a halfwave at 40 meters?

It might help a bit on 40m, if you have trouble getting the antenna tuner
to tune on that band.

>Is there an an advantage to using 450 ohm ladder line vs. good 300 ohm line,
>or should I try something else altogether? (I will have a conduit from the
>attic to the basement shack to ease getting the feedline installed.)

The 300 ohm line usually has a solid jacket of plastic between the
conductors. This type of line has almost as much loss per foot as coax.

The 450 ohm line usually has windows in the plastic, and has much less
loss.

>Finally, what kind of performance can I expect? Will I still be able to
>operate QRP, or will I have to go back to the 50-100 watt level to
>communicate.

It will work QRP, but any station works better with better antennas, at
any power level.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Mon, 19 Feb 2001 18:09:19 -0500
From: "George Osier" <gosier@twcnny.rr.com>

To: <qrp-1@lehigh.edu>
Subject: [92098] D68C logbook
Message-ID: <001201c09ac8\$fd332ca0\$25191842@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Doc !!!

The address for the log is:

www.dxbands.com/comoros/logbook.shtml

73s
George Osier , N2JNZ/QRPP

Date: Mon, 19 Feb 2001 16:47:47 -0600
From: Steve Yates - AA5TB <aa5tb@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [92099] Re: antenna advice?
Message-ID: <006901c09ac5\$fc8ce1e0\$da713ed8@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi Harold,

> Would there be any advantage to making the antenna of material heavier
than
> 12 gauge wire? For instance, copper tubing, or perhaps a cage
arrangement?

Nope. The antenna's radiation resistance will be high enough on all bands
(except for maybe 80m) that the conductor's loss resistance for 12 gauge
copper will be negligible.

> Would it be worth while to add a bit of length on the ends, hanging down,
to
> get the length closer to a halfwave at 40 meters?

Not really, unless you were wanting the antenna to resonant on 40m and feed
it with coax without a tuner. If you are using parallel line with the
required tuner there will be little noticable effect from the antenna being

just a bit short.

> Is there an advantage to using 450 ohm ladder line vs. good 300 ohm line,
> or should I try something else altogether? (I will have a conduit from the
> attic to the basement shack to ease getting the feedline installed.)

300 ohm line will be fine for your indoor use. I hope that your conduit is not metal!

> Finally, what kind of performance can I expect? Will I still be able to
> operate QRP, or will I have to go back to the 50-100 watt level to
> communicate.

It should work pretty good. Performance will not be as good as an antenna in the free and clear but lots of QRP QSOs can be made. The main degradation to performance will be the result of RFI radiated from sources within your house. Computers and TVs are the main culprits. Therefore, receiving will probably be what is most hindered by having your indoor antenna.

Orientation should not be a concern. Since the antenna is relatively low to the ground (16 feet) and lots of other wiring will be tightly coupled to your antenna because of near-field effects, the directional properties will be very hard to predict but will probably not be very noticable. Your residence will become your antenna system, not just the wire :-)

Good luck and let us know when you get it on the air.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
aa5tb@arrl.net
<http://www.geocities.com/aa5tb>

Date: Mon, 19 Feb 2001 18:11:20 -0500
From: Dan Wolfe <n4roa@mounet.com>
To: qrp-1@Lehigh.EDU
Subject: [92100] Fox
Message-ID: <3A91A818.5C3C@mounet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Oooooops!

It has just been pointed out to me that there is no 29th this month..heee hee. I just printed what was on the skedule that I printed out at first of season. Never even gave it a thought. Sorry..Look for me on the 1st of March 0200 to 0400 UTC or the 28th local time (9 to 11 PM). This Fox will be easy to catch. Just look how dumb he is..hee hee Thanks Tom.

72/73..Dan,N4ROA

Date: Mon, 19 Feb 2001 18:24:35 -0500
From: Pete Burbank <plburbank@kih.net>
To: SmithH@tce.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [92101] Re: antenna advice?
Message-ID: <5.0.2.1.0.20010219181711.00a68c70@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Two things come to mind immediately.
Bigger diameter means wider bandwidth.
and 2 I hope it is not metal conduit to enclose the feedline
Pete NV4V

Date: Mon, 19 Feb 2001 14:21:32 -0900
From: AL7JK John Raynsford <AL7JK@gci.net>
To: qrp Discussion <qrp-l@Lehigh.EDU>
Subject: [92102] Back to Milliwatts
Message-ID: <3A91AA7B.D006A40E@gci.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nice propagation to the west coast this evening on 15 mtrs.
Running 2 watts is just too easy you guys are booming in
up here on 21.060 mhz. Actually getting a bit crowded, hi !
Hooking up the milliwatt rig now

72/73 AL7JK, John
Eagle River, Alaska

e-mail: al7jk@gci.net
packet: al7jk@k17aa.#nak.ak.usa.noam

Date: Mon, 19 Feb 2001 18:46:54 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [92103] FS--Harvey Wells Z-Master Tuner
Message-ID: <200102191847_MC2-C62A-D0B1@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

FOR SALE =3D Harvey Wells Z-Match tuner. This tuner is electrically a 10=
,
and cosmetically about an 8.0. Works fine, but is excess here. Price is=
\$180.00 which includes documentation and *insured UPS shipping* to your
Stateside =
address. =

72,
--Doc/K0EVZ

End of QRP-L Digest 2103

